

GenCore version 5.1.3  
Copyright (c) 1993 - 2002 Compugen Ltd.

OM nucleic - protein search, using frame\_plus\_n2p model

Run on: November 24, 2002, 02:16:14 ; Search time 16.5 Seconds  
(without alignments)  
182,243 Million cell updates/sec

Title: US-09-485-951-3  
Perfect score: 178  
Sequence: 1 aaccoccgacagtccctgt.....ccaggggccgcagaaaaaa 96

Scoring table: BL05062  
Xgapop 10.0 , Xgapext 0.5  
Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 100480 seqs, 15661496 residues

Total number of hits satisfying chosen parameters: 2009660

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Command line parameters:  
-MODEL=frame\_n2p.model -DEV=x.lip  
-O=cgn2\_1\_spotto.spoof/US09485911/runat\_20112002\_094836\_22124/app\_query.fasta\_1.263  
-DB=Published\_Applications\_AA\_QPMT=fastaa -SUFFIX=.rapp -MINMATCH=0.1  
-LOOPCL=0 -UNITS=bits -START=1 -END=1 -MATRIX=blocsum62  
-TRANS=human40.cdt -LIST=45 -DOALIGN=200 -THR SCORE=pct -THR MAX=100  
-THR\_MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFILE=pto -NORMext -HEAPSIZE=500 -MINLEN=0  
-MAXLEN=2000000 -USER=US09485911\_3\_errunat\_20112002\_094836\_22124 -  
-INCPU=6 -ICPU=3 -NO\_XPLXY -NO\_MMAP -LARGEQUERY -NEG SCORES=0 -WAIT -LONGLOG  
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -TREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6  
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published\_Applications\_AA.\*

```

1: /cgn2_6/ptodata/1/pubaa/US08_NEW_PUB.pep/*
2: /cgn2_6/ptodata/1/pubaa/PCT_NEW_PUB.pep/*
3: /cgn2_6/ptodata/1/pubaa/US06_NEW_PUB.pep/*
4: /cgn2_6/ptodata/1/pubaa/PUBCOMB.pep/*
5: /cgn2_6/ptodata/1/pubaa/US07_NEW_PUB.pep/*
6: /cgn2_6/ptodata/1/pubaa/US07_PUBCOMB.pep/*
7: /cgn2_6/ptodata/1/pubaa/PETUS_PUBCOMB.pep/*
8: /cgn2_6/ptodata/1/pubaa/US08_PUBCOMB.pep/*
9: /cgn2_6/ptodata/1/pubaa/US09_NEW_PUB.pep/*
10: /cgn2_6/ptodata/1/pubaa/PUBCOMB.pep/*
11: /cgn2_6/ptodata/1/pubaa/US10_NEW_PUB.pep/*
12: /cgn2_6/ptodata/1/pubaa/US10_SUBCOMB.pep/*
13: /cgn2_6/ptodata/1/pubaa/US60_NEW_PUB.pep/*
14: /cgn2_6/ptodata/1/pubaa/US60_PUBCOMB.pep/*

```

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**SUMMARIES**

Result No.	Score	Query	Match	Length	DB ID	Description
1	178	100.0	378	10	US-09-38-973-439	Sequence 439, APP
2	59.5	33.4	64	10	US-09-164-761-4469	Sequence 4469, A
3	58	32.6	129	10	US-09-764-877-1531	Sequence 1531, APP
4	58	32.6	234	9	US-09-764-868-753	Sequence 753, APP

**ALIGNMENTS**

RESULT 1  
US-09-738-973-439  
Sequence 439, Application US/09738973  
; GENERAL INFORMATION:  
; APPLICANT: Reed, Steven G.  
; APPLICANT: Henderson, Robert A.  
; APPLICANT: Lodes, Michael J.  
; APPLICANT: Filing, Steven P.  
; APPLICANT: Moigamath, Radoh  
; APPLICANT: Aligate, Paul A.  
; APPLICANT: Serrist, Heather  
; APPLICANT: Indrias, Carol Joseph  
; APPLICANT: Benson, Darin R.  
; APPLICANT: Elliot, Mark  
; APPLICANT: Mannion, Jane  
; APPLICANT: Kalos, Michael D.  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR  
; FILE REFERENCE: 210121\_475C9  
; CURRENT APPLICATION NUMBER: US/09738973  
; NUMBER OF SEQ ID NOS: 587  
; SOFTWARE: FastSEQ for Windows Version 3.0  
; SEQ ID NO: 439  
; LENGTH: 378  
; TYPE: PRT  
; ORGANISM: Homo sapiens

US-09-738-973-439  
 Alignment Scores:  
 Pred. No.: 2.27e-14 Length: 378  
 Score: 178.00 Matches: 32  
 Percent Similarity: 100.00% Conservative: 0  
 Best Local Similarity: 100.00% Mismatches: 0  
 Query Match: 100.00% Indels: 0  
 DB: 10 Gaps: 0

US-09-485-951-3 (1-96) x US-09-738-973-439 (1-378)

Qy 1 AACCCCGCACAGTCCTGTTCAACGGTGGGTTCTCCAGCCTGTC 60  
 Db 172 AnsProArgThrValProValAlaPheSerThrValProHesSerGlnProVal 191

Qy 61 TGTTCACCCAGGCCAGGGCCAGACAAAA 96  
 Db 192 CysPheProProArgProA-glyLysArgArgGlnLys 203

**RESULT 2**  
 US-09-864-761-4469  
 / Sequence 4469, Application US/09864761  
 / Patent No. US20020048763A1

GENERAL INFORMATION:  
 APPLICANT: Penn, Sharron G.  
 APPLICANT: Rank, David R.  
 APPLICANT: Hanzel, David K.  
 APPLICANT: Chen, Wensheng

TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
 TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

FILE REFERENCE: Aeomica-X-1

CURRENT APPLICATION NUMBER: US/09/864761  
 CURRENT FILING DATE: 2001-05-23  
 PRIOR APPLICATION NUMBER: US 60/180,312  
 PRIOR FILING DATE: 2000-02-04  
 PRIOR APPLICATION NUMBER: US 60/207,456  
 PRIOR FILING DATE: 2000-05-26  
 PRIOR APPLICATION NUMBER: US 60/632,366  
 PRIOR FILING DATE: 2000-08-03  
 PRIOR APPLICATION NUMBER: GB 24263.6  
 PRIOR FILING DATE: 2000-10-04  
 PRIOR APPLICATION NUMBER: US 60/236,359  
 PRIOR FILING DATE: 2000-09-27  
 PRIOR APPLICATION NUMBER: PCT/US01/00666  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00667  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00664  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00669  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00665  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00668  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00663  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00662  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00661  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: PCT/US01/00670  
 PRIOR FILING DATE: 2001-01-30  
 PRIOR APPLICATION NUMBER: US 60/234,687  
 PRIOR FILING DATE: 2000-09-11  
 PRIOR APPLICATION NUMBER: US 09/608,408  
 PRIOR APPLICATION NUMBER: US 09/774,203  
 NUMBER OF SEQ ID NOS: 49117  
 SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
 SEQ ID NO 44469

; LENGTH: 64  
; TYPE: PRT  
; ORGANISM: HOMO sapiens  
; FEATURE:  
; OTHER INFORMATION: MAP TO AC002091.1  
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.45  
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.49  
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.3  
; OTHER INFORMATION: EST\_HUMAN HIT: AW672785.1, EVALUE 7.00e-07  
; US-09-864-761-4469

Alignment Scores:  
 Pred. No.: 5.54 Length: 64  
 Score: 59.50 Matches: 13  
 Percent Similarity: 51.72% Conservative: 2  
 Best Local Similarity: 44.83% Mismatches: 13  
 Query Match: 33.43% Indels: 1  
 DB: 10 Gaps: 1

US-09-485-951-3 (1-96) x US-09-864-761-4469 (1-54)

Qy 4 CCCGCACAGTCCTGTTCAAGGTGGCTCCAGGCTGTC-- 60  
 Db 30 ProArgGluLysProCysSerProAlaLeuTrpArgProMetThrProCysPro 49

Qy 61 TGTTCACCCAGGCCAGGGCCAGACAAAA 87  
 Db 50 LeuHisProProArgProArgGlyArg 58

**RESULT 3**  
 US-09-764-877-1531  
 ; Sequence 1531, Application US/09764877  
 ; Patent No. US20020147140A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Rosen et al.  
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
 ; FILE REFERENCE: PC005  
 ; CURRENT APPLICATION NUMBER: US/09/764,877  
 ; CURRENT FILING DATE: 2001-01-17  
 ; Prior application data removed - refer to PALM or file wrapper  
 ; NUMBER OF SEQ ID NOS: 4031  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 1531  
 ; LENGTH: 129  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-764-877-1531

Alignment Scores:  
 Pred. No.: 8.63 Length: 129  
 Score: 58.00 Matches: 13  
 Percent Similarity: 56.00% Conservative: 1  
 Best Local Similarity: 52.00% Mismatches: 11  
 Query Match: 32.58% Indels: 0  
 DB: 10 Gaps: 0

US-09-485-951-3 (1-96) x US-09-764-877-1531 (1-129)

Qy 3 CCCGCACAGTCCTGTTCAAGGTGGCTCCAGGCTGTC 62  
 Db 89 ProProAlaHisSerThrCysLeuPheProSerHisProLeuProAlaProSer 108

Qy 63 TTCCCCACCCAGGCC 77  
 Db 109 PheProThrGlnAla 113

**RESULT 4**  
 US-09-764-868-753  
 ; Sequence 753, Application US/09764868  
 ; Patent No. US200168711A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Rosen et al.  
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

```

; FILE REFERENCE: PTZ32
; CURRENT APPLICATION NUMBER: US/09/7764, 868
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1510
; SOFTWARE: PatentIn ver. 2.0
; SEQ ID NO: 753
; LENGTH: 234
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE: SITE
; LOCATION: (46)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (47)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (173)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (200)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-868-753

Alignment Scores:
Pred. No.:          8.81          Length:          234
Score:             58.00          Matches:         16
Percent Similarity: 61.29%        Conservative:   3
Best Local Similarity: 51.01%        Mismatches:    8
Query Match:       32.58%        Indels:         4
DB:                9                    Gaps:          2

US-09-485-951-3 (1-96) x US-09-764-868-753 (1-234)

Qy    2 ACCCCCCGACAGTCCCTGGTCAACCTGCCCTTCACGGTGGGTTCCAGCCGTCT 61
Db    67 ThrProThrSerLeuAspSerLeuSerPro-----SerPro---ValThr 82

Qy    62 GTTTCCCAACCCAGGGCGCACAA 94
Db    83 ThrAlaValProGlyProGlyProAspLys 93

RESULT 5
US-09-900-425A-2
Sequence 2, Application US/09/900/425A
Patent No. US20020164601A1
GENERAL INFORMATION:
APPLICANT: Wu, Hongqiang
APPLICANT: Crooke, Stanley T.
TITLE OF INVENTION: Human RNase III and Compositions and Uses Thereof
FILE REFERENCE: ISPH-0522
CURRENT APPLICATION NUMBER: US/09/900, 425A
CURRENT FILING DATE: 2002-01-29
PRIOR APPLICATION NUMBER: US/09/479, 783
PRIOR FILING DATE: 2000-01-07
PRIOR APPLICATION NUMBER: US/08/870, 608
PRIOR FILING DATE: 1997-06-06
PRIOR APPLICATION NUMBER: US/09/659, 440
NUMBER OF SEQ ID NOS: 36
SOFTWARE: PatentIn version 3.1
SEQ ID NO 2
LENGTH: 1374
TYPE: PRT
ORGANISM: Homo sapiens
US-09-900-425A-2

Alignment Scores:
Pred. No.:          12.4           Length:          1374
Score:              57.00          Matches:         11
Percent Similarity: 52.00%        Conservative:   2
Best Local Similarity: 44.00%        Mismatches:    8

Query Match:          9           Length:          32.02%
DB:                  9           Gaps:            1
Indels:             4           Gaps:            1

RESULT 6
US-09-925-302-855
Sequence 855, Application US/09/25302
Patent No. US20030044941A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA104
CURRENT APPLICATION NUMBER: US/09/925, 302
CURRENT FILING DATE: 2001-08-10
PRIORITY APPLICATION NUMBER: PCT/US00/05918
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124, 270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 896
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 855
LENGTH: 173
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (159)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (168)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-302-855

Alignment Scores:
Pred. No.:          13.3           Length:          173
Score:              56.50          Matches:         13
Percent Similarity: 57.65%        Conservative:   2
Best Local Similarity: 50.00%        Mismatches:    10
Query Match:        31.74%        Indels:         1
DB:                  10           Gaps:            1

RESULT 7
US-09-485-951-3 (1-96) x US-09-925-302-855 (1-173)
Sequence 4 AlaproArgProLys 173
Patent No. US20030043763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hatzel, David K.
APPLICANT: Chen, Wansheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR MICROARRAY
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Aeonica-X-1
CURRENT APPLICATION NUMBER: US/09/864, 761

```

CURRENT FILING DATE: 2001-05-23  
 PRIOR APPLICATION NUMBER: US 60/180,312  
 PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: US 60/207,456  
 PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 09/632,366  
 PRIOR FILING DATE: 2000-08-03

PRIOR APPLICATION NUMBER: GB 24263.6  
 PRIOR FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: US 60/236,359  
 PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/US01/00664  
 PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669  
 PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665  
 PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663  
 PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00662  
 PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00661  
 PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00670  
 PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667  
 PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668  
 PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665  
 PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00663  
 PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: US 09/608,408  
 PRIOR FILING DATE: 2000-06-30

PRIOR APPLICATION NUMBER: US 09/774,203  
 PRIOR FILING DATE: 2001-01-29

NUMBER OF SEQ ID.NOS: 4917  
 SOFTWARE: Anamax Sequence Listing Engine vers. 1.1  
 LENGTH: 47  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 FEATURE:  
 OTHER INFORMATION: MAP TO AL159141.1  
 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 3-5  
 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1-4  
 OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1-5  
 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2-6  
 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1-6  
 OTHER INFORMATION: EST\_HUMAN HIT: AUI:19105.1, EVALUE 2.00e-21  
 US-09-864-761-46301

Alignment Scores:  
 Pred. No.: 14.6 Length: 47  
 Score: 56.00 Matches: 11  
 Percent Similarity: 46.67% Conservative: 3  
 Best Local Similarity: 36.67% Missmatches: 16  
 Query Match: 30.43% Indels: 0  
 DB: 10 Gaps: 0

US-09-485-951-3 (1-96) x US-09-864-761-46301 (1-47)

QY 94 TTTGTGTCGGCCCGGCCCTGGCGGGAAACAGAGCAGGGTGGGAAACGGCACCGTGG 35  
 DB 16 PheValCysGlnProThrArgLysThrAlaLeuThrAlaSerAlaSerTrp 35

QY 34 AGAAGGCAGGTGAACAGGGACTGTGGGG 5  
 DB 36 ArgSerSerSerLysHisAlaArgCysGly 45

RESULT 8  
 US-09-925-300-1406

---

; Sequence 1406, Application US/09925300  
 ; Patent No. US20020151681A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Craig Rosen,  
 ; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
 ; FILE REFERENCE: PA101  
 ; CURRENT FILING DATE: 2001-08-10  
 ; CURRENT APPLICATION NUMBER: US/09/925,300  
 ; PRIOR APPLICATION NUMBER: PCT/US00/05988  
 ; PRIOR FILING DATE: 2000-03-08  
 ; PRIOR APPLICATION NUMBER: 60/124,270  
 ; PRIOR FILING DATE: 1999-03-12  
 ; NUMBER OF SEQ ID NOS: 1890  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO: 1406  
 ; LENGTH: 329  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: SITE  
 ; LOCATION: (312)  
 ; OTHER INFORMATION: xaa equals any of the naturally occurring L-amino acids  
 US-09-925-300-1406

Alignment Scores:  
 Pred. No.: 15.6 Length: 329  
 Score: 56.00 Matches: 15  
 Percent Similarity: 57.14% Conservative: 5  
 Best Local Similarity: 42.86% Mismatches: 8  
 Query Match: 31.46% Indels: 7  
 DB: 10 Gaps: 1

US-09-485-951-3 (1-96) x US-09-925-300-1406 (1-329)

QY 4 CCCCGCACAGRCGCCGTTCAAGCTGCTTCACGGTGGCTCTCC-----  
 DB 18 ProThrArgThrProAlaGlnPro-ProArgProArgGlyArgAsnProAlaSerAsnAs 37

QY 53 -----AGGCTGTCTGTTCCACCAGGCCAGGGGCCA 88  
 DB 37 nSerAsnSerLeuAsnGlyValProGlyGlyAla 51

RESULT 9  
 US-10-006-950-2  
 ; Sequence 2, Application US/10006950  
 ; Patent No. US20102016121A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Borosky, Beth E.  
 ; APPLICANT: Bonini, James A.  
 ; TITLE OF INVENTION: DNA ENCODING ORPHAN SNORF4 RECEPTOR  
 ; FILE REFERENCE: 58799  
 ; CURRENT FILING NUMBER: US/10/006,950  
 ; CURRENT FILING DATE: 2001-12-03  
 ; PRIOR APPLICATION NUMBER: US/09/266,407  
 ; PRIOR FILING DATE: 1999-03-10  
 ; NUMBER OF SEQ ID NOS: 2  
 ; SEQ ID NO: 2  
 ; SOFTWARE: PatentIn Ver. 2.0 - beta  
 ; LENGTH: 470  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-006-950-2

Alignment Scores:  
 Pred. No.: 15.8 Length: 470  
 Score: 56.00 Matches: 12  
 Percent Similarity: 53.38% Conservative: 4  
 Best Local Similarity: 40.00% Mismatches: 14  
 Query Match: 31.46% Indels: 0  
 DB: 9 Gaps: 0

US-09-485-951-3 (1-96) x US-10-006-950-2 (1-470)

QY 2 ACCCCGGCACAGTCCCCTTCAGGCTTCTCAGGTGGCGTCTCCAGGCCCTGTCT 61  
 |:::|||||:::|||||:::  
 Db 414 ThrProAlaSerValProSerProSerProAspGluAlaSerProThrPro 433  
 ; Sequence 2, Application US/0905467A  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ramakrishnan, Shyam  
 ; TITLE OF INVENTION: Receptor-Like Protein  
 ; FILE REFERENCE: 974.00453  
 ; CURRENT APPLICATION NUMBER: US/09/805,467A  
 ; PRIOR APPLICATION NUMBER: 60/189,037  
 ; NUMBER OF SEQ ID NOS: 5  
 ; SOFTWARE: FastSEQ For Windows Version 4.0  
 ; SEQ ID NO 2  
 ; LENGTH: 470  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-805-467A-2

Alignment Scores:  
 Pred. No.: 16.4 Length: 1337  
 Score: 56.00 Matches: 10  
 Percent Similarity: 53.85% Conservative: 4  
 Best Local Similarity: 38.16% Mismatches: 12  
 Query Match: 31.46% Indels: 0  
 DB: 10 Gaps: 0

RESULT 10  
 US-09-805-467A-2  
 ; Sequence 2, Application US/0905467A  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ramakrishnan, Shyam  
 ; TITLE OF INVENTION: Receptor-Like Protein  
 ; FILE REFERENCE: 974.00453  
 ; CURRENT APPLICATION NUMBER: US/09/805,467A  
 ; PRIOR APPLICATION NUMBER: 60/189,037  
 ; NUMBER OF SEQ ID NOS: 5  
 ; SOFTWARE: FastSEQ For Windows Version 4.0  
 ; SEQ ID NO 2  
 ; LENGTH: 470  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-805-467A-2

Alignment Scores:  
 Pred. No.: 15.8 Length: 470  
 Score: 56.10 Matches: 12  
 Percent Similarity: 53.33% Conservative: 4  
 Best Local Similarity: 40.00% Mismatches: 14  
 Query Match: 31.46% Indels: 0  
 DB: 10 Gaps: 0

US-09-485-951-3 (1-96) x US-09-805-467A-2 (1-470)

QY 2 ACCCCGGCACAGTCCCCTTCAGGCTTCTCAGGTGGCGTCTCCAGGCCCTGTCT 61  
 |:::|||||:::|||||:::  
 Db 414 ThrProAlaSerValProSerProSerProAspGluAlaSerProThrPro 433  
 ; Sequence 1, Application US/0903126  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Broos, Alan R.  
 ; APPLICANT: Deng, Gary G.  
 ; APPLICANT: Rubanyi, Gabor M.  
 ; TITLE OF INVENTION: Estrogen-Regulated Unconventional Myostin-Related  
 ; TITLE OF INVENTION: Protein Compositions and Methods of Use  
 ; FILE REFERENCE: 015303-000310US  
 ; CURRENT APPLICATION NUMBER: US/09/803,126  
 ; CURRENT FILING DATE: 2001-05-09  
 ; PRIOR APPLICATION NUMBER: US 60/188,488  
 ; PRIOR FILING DATE: 2000-03-10  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 1  
 ; LENGTH: 1337  
 ; TYPE: PRT  
 ; ORGANISM: Mus sp.  
 ; FEATURE: mouse myosin related protein (MRP)  
 ; OTHER INFORMATION: mouse myosin related protein (MRP)  
 US-09-803-126-1

Alignment Scores:  
 Pred. No.: 16.4 Length: 1337  
 Score: 56.00 Matches: 10  
 Percent Similarity: 53.85% Conservative: 4  
 Best Local Similarity: 38.16% Mismatches: 12  
 Query Match: 31.46% Indels: 0  
 DB: 10 Gaps: 0

RESULT 11  
 US-09-803-126-1  
 ; Sequence 1, Application US/0903126  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Broos, Alan R.  
 ; APPLICANT: Deng, Gary G.  
 ; APPLICANT: Rubanyi, Gabor M.  
 ; TITLE OF INVENTION: Estrogen-Regulated Unconventional Myostin-Related  
 ; TITLE OF INVENTION: Protein Compositions and Methods of Use  
 ; FILE REFERENCE: 015303-000310US  
 ; CURRENT APPLICATION NUMBER: US/09/803,126  
 ; CURRENT FILING DATE: 2001-05-09  
 ; PRIOR APPLICATION NUMBER: US 60/188,488  
 ; PRIOR FILING DATE: 2000-03-10  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 1  
 ; LENGTH: 1337  
 ; TYPE: PRT  
 ; ORGANISM: Mus sp.  
 ; FEATURE: mouse myosin related protein (MRP)  
 ; OTHER INFORMATION: mouse myosin related protein (MRP)  
 US-09-803-126-1



Pred. No.: 26.6 Length: 146  
 Score: 54.00 Matches: 11  
 Percent Similarity: 48.00% Conservative: 1  
 Best Local Similarity: 44.00% Mismatches: 13  
 Query Match: 30.34% Indels: 0  
 DB: 0 Gaps: 0

US-09-485-951-3 (1-96) x US-09-800-729-94 (1-146)

Qy 20 TTCAGCCCTGCCCTCTCCACGGTGGCGTTCTCCAGCCTGTTTCCACCCAGGCCA 79  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db 19 PheCysAlaProGlyAlaArgAlaGluGluProAlaLasePheSerGlnProGlySer 38

Qy 80 GGGGGCAGACAAA 94  
 ||||| |||||  
 Db 39 MetGlyLeuAspLys 43

---

RESULT 15

US-09-800-729-181

; Sequence 181, Application US/09800729  
 ; Patent No. US2002006319A1

; GENERAL INFORMATION:

; APPLICANT: Ni et al.  
 ; TITLE OF INVENTION: 32 Human secreted proteins  
 ; FILE REFERENCE: P2044P1  
 ; CURRENT APPLICATION NUMBER: US/09/800,729  
 ; CURRENT FILING DATE: 2001-03-08  
 ; PRIOR APPLICATION NUMBER: PCT/US00/26013  
 ; PRIOR FILING DATE: 2000-09-22  
 ; PRIOR APPLICATION NUMBER: 60/155,709  
 ; PRIOR FILING DATE: 1999-09-24  
 ; NUMBER OF SEQ ID NOS: 217  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 181  
 ; LENGTH: 210  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-800-729-181

Alignment Scores:  
 Pred. No.: 26.9 Length: 210  
 Score: 54.00 Matches: 11  
 Percent Similarity: 48.00% Conservative: 1  
 Best Local Similarity: 44.00% Mismatches: 13  
 Query Match: 30.34% Indels: 0  
 DB: 0 Gaps: 0

US-09-485-951-3 (1-96) x US-09-800-729-181 (1-210)

Qy 20 TTCAGCCCTGCCCTCTCCACGGTGGCGTTCTCCAGCCTGTTTCCACCCAGGCCA 79  
 ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
 Db 83 PheCysAlaProGlyAlaArgAlaGluGluProAlaLasePheSerGlnProGlySer 102

Qy 80 GGGGGCAGACAAA 94  
 ||||| |||||  
 Db 103 MetGlyLeuAspLys 107

Search completed: November 24, 2002, 02:24:39  
 Job time : 17.5 secs



Copyright GenCore version 5.1.3  
(c) 1993 - 2002 Compugen Ltd.

OM nucleic - protein search, using frame\_plus\_n2p model

Run on: November 23, 2002, 23:44:49 ; Search time 22.5 Seconds  
(without alignments)

251.076 Million cell updates/sec

Title: US-09-485-951-3  
Perfect score: 178  
Sequence: 1 aaccggcacatccctgt.....ccagggggcgacaaaaaa 96

Scoring table: BL050462  
Xgapext 10.0 , Xgapext 0.5  
Ygapop 10.0 , Ygapext 0.5  
Fgapop 6.0 , Fgapext 7.0  
Delop 6.0 , Delext 7.0

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 525148

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Command line parameters:

```
-MODEL=frame_n2p.model -DEV=x1p
-Q-/cgn2.1/USPTO_spool/US09485931/runat_20112002_094835_22086/app-query.fasta_1.263
-DB_Issued_Patents_AA -QFMFT=fascan -SUFFIX=n2p.ra1 -MINMATCH=.1 -LOOPCR=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=-15 -DOTALIGN=200 -THR SCORE=PCT -THR MAX=100 -THR MIN=0 -ALIGN=15
-MODE=LOCAL -OUTNT=PRO -NORM=EXIT -HEAPSIDE=500 -MINLEN=0 -MAXLEN=2000000000
-USER=09485931@CGN1 -NO_MMAPP -LARGEQUERY -NEG_SCORES=0 -WAIT=LONGLOG -DEV_TIMEOUT=120
-WARN_TIMEOUT=30 -THRADS=1 -XGPOP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7
-YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7
```

Database : Issued\_Patents\_AA:  
1: /cgn2.6/patoata/2/iaa/5A\_COMB.pep:\*
2: /cgn2.6/patoata/2/iaa/5B\_COMB.pep:\*
3: /cgn2.6/patoata/2/iaa/6A\_COMB.pep:\*
4: /cgn2.6/patoata/2/iaa/6B\_COMB.pep:\*
5: /cgn2.6/patoata/2/iaa/PCTUS\_COMB.pep:\*
6: /cgn2.6/patoata/2/iaa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

**SUMMARIES**

Result No.	Score	Query Match	Length	DB ID	Description
C 1	56.5	30.7	534	2 US-08-691-814B-8	Sequence 8, Appli
C 2	55.5	30.2	142	4 US-09-072-596-277	Sequence 277, Appli
C 3	51.5	30.6	26	3 US-09-024-975-8	Sequence 8, Appli
C 4	54	30.3	108	3 US-08-966-269-15	Sequence 15, Appli
C 5	54	30.3	108	4 US-09-436-183A-15	Sequence 15, Appli
C 6	54	30.3	125	4 US-08-966-269-4	Sequence 4, Appli
C 7	54	30.3	125	4 US-09-436-183A-4	Sequence 4, Appli
C 8	54	29.3	156	1 US-08-465-667-20	Sequence 20, Appli
C 9	54	29.3	156	4 US-09-224-110-20	Sequence 20, Appli
C 10	54	29.3	156	5 PCT-US95-07285-20	Sequence 20, Appli
C 11	54	29.3	537	4 US-09-655-270A-11	Sequence 11, Appli
C 12	54	29.3	537	4 US-09-651-941-11	Sequence 11, Appli

**ALIGNMENTS**

RESULT 1  
US-08-611-814B-8  
Sequence 8, Application US/08691814B  
Patent No. 5981218  
GENERAL INFORMATION:  
APPLICANT: Rio, Marie-Christine  
APPLICANT: Tomasetto, Catherine  
APPLICANT: Basset, Paul  
APPLICANT: Byrne, Jennifer  
TITLE OF INVENTION: Isolated Nucleic Acid Molecules Useful  
as Leukemia Markers and in Breast Cancer Prognosis  
NUMBER OF SEQUENCES: 124  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.  
STREET: 1100 New York Ave, NW, Suite 600  
STATE: DC  
COUNTRY: USA  
ZIP: 20005-3934  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/691,814B  
FILING DATE: 31-JUL-1996  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/002,183  
FILING DATE: 09-AUG-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Steffe, Eric K.  
REGISTRATION NUMBER: 36,688  
REFERENCE/DOCKET NUMBER: 1,383-0090001  
TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-371-2600  
 TELEFAX: (202) 371-2543  
 INFORMATION FOR SEQ ID NO: 8:  
 SEQUENCE CHARACTERISTICS:  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-691-814B-8

Alignment Scores:  
 Pred. No.: 12.1 Length: 534  
 Score: 56.50 Matches: 13  
 Percent Similarity: 48.72% Conservative: 6  
 Best Local Similarity: 33.33% Mismatches: 9  
 Query Match: 30.71% Indels: 11  
 DB: 2 Gaps: 2

US-09-485-951-3 (1-96) x US-08-691-814B-8 (1-534)

QY 87 GCGCCCT----GGGCCCTGGGAAACAGACAGGGCTGGGAGAACGGCACCGTGGGA 34  
 DB 265 SerProGlnArgAspProAsnTrpAsnGlyIuArgLeuAnLysserHiArgHis 284

QY 33 GAAGGCAGG----CTGACAGGACTGTGCGGGG 4  
 DB 285 GlngIleGlyGlyThrLeuProProArgThrPheLeuAsnArgAsnAlaAlaGly 303

RESULT 2  
 US-09-072-596-277 Application US/09072596  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Reed, Steven G.  
 ; APPLICANT: Skeky, Yasir A.W.  
 ; APPLICANT: Dillon, Davin C.  
 ; APPLICANT: Campos-Neto, Antonia  
 ; APPLICANT: Houghton, Raymond  
 ; APPLICANT: Vedyick, Thomas S.  
 ; APPLICANT: Twardzik, Daniel R.  
 ; APPLICANT: Lodes, Michael J.  
 ; APPLICANT: Hendrickson, Ronald C.  
 ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR DIAGNOSIS OF TUBERCULOSIS  
 ; NUMBER OF SEQUENCES: 350  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: SEED AND BERRY LLP  
 ; STREET: 6300 Columbia Center, 701 Fifth Avenue  
 ; CITY: Seattle  
 ; STATE: Washington  
 ; COUNTRY: USA  
 ; ZIP: 98104-7092  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/072,596  
 FILING DATE: 05-MAY-1998  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Maki, David J.  
 REGISTRATION NUMBER: 31,392  
 REFERENCE/DOCKET NUMBER: 210121.417C9  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (206) 622-9100  
 TELEFAX: (206) 682-6031  
 INFORMATION FOR SEQ ID NO: 277:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 142 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear

; MOLECULE TYPE: protein  
 us-09-072-596-277  
 Alignment Scores:  
 Pred. No.: 13.7 Length: 142  
 Score: 55.50 Matches: 12  
 Percent Similarity: 50.00% Conservative: 3  
 Best Local Similarity: 40.00% Mismatches: 6  
 Query Match: 30.16% Indels: 9  
 DB: 4 Gaps: 1

US-09-485-951-3 (1-96) x US-09-072-596-277 (1-142)

QY 82 CCCTGGCCTGGGAAACAGACAGGGCTGGGAGAACGGCACCGTGGGA 50  
 DB 29 proIrpVaThrLeuGlySerArgLeuAaAlaLeuProLysProLysAspTyrGly 48

QY 49 AGAACGGCACCGTGGGAGAACGGCACCGTGGGA 20  
 DB 49 ArgLeuSerProProGlyArgLeuAlaGlu 58

RESULT 3  
 US-09-024-975-8  
 Sequence 8, Application US/09024975  
 ; Patent No. 6133233  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ROSS, CHRISTOPHER R.  
 ; APPLICANT: SHI, JISHU  
 ; APPLICANT: BLECHA, FRANK  
 ; TITLE OF INVENTION: PEPTIDE MODULATION OF REPERFUSION INJURY  
 ; NUMBER OF SEQUENCES: 11  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: HOVEY-WILLIAMS, TIMMONS & COLLINS  
 ; STREET: 2405 GRAND BLVD., SUITE 400  
 ; CITY: KANSAS CITY  
 ; STATE: MO  
 ; COUNTRY: USA  
 ; ZIP: 64108  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/024-975  
 ; FILING DATE:  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 08/802,306  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: COLLINS, JOHN M.  
 ; FILING DATE: 18-PEB-1997  
 ; REFERENCE/DOCKET NUMBER: 26,262  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 816/474-9050  
 ; TELEFAX: 816/474-9057  
 ; INFORMATION FOR SEQ ID NO: 8:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 26 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: peptide  
 ; US-09-024-975-8

Alignment Scores:  
 Pred. No.: 14.7 Length: 26  
 Score: 54.50 Matches: 11  
 Percent Similarity: 66.67% Conservative: 5  
 Best Local Similarity: 45.83% Mismatches: 7  
 Query Match: 30.62% Indels: 1  
 DB: 4 Gaps: 1

US-09-485-951-3 (1-96) x US-09-024-975-8 (1-26)

QY 16 CCTGTTAGCCCTGCCCTCTCCAGGGTGCCTCTCCCCAGCTGTCTGTTCCCACCCAGG 75  
DB 4 ProleuArgProProPheProProArgProLeu---TyriProProArg 22

QY 76 CCCAGGGCGC 87  
DB 23 ProArgArgArg 26

RESULT 4

US-08-966-269-15  
; Sequence 15, Application US/08966269  
; Patent No. 6046000  
; GENERAL INFORMATION:  
; APPLICANT: McCarthy, Sean A.  
; APPLICANT: Kuranda, Michael Joseph  
; APPLICANT: Bulawa, Christine Ellen  
; TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES ENCODING SIGNAL SEQUENCES  
; FILE REFERENCE: 09404/032001  
; CURRENT APPLICATION NUMBER: US/08/966,269  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PastSEQ for Windows Version 3.0  
; SEQ ID NO: 15  
; LENGTH: 108  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-08-966-269-15

Alignment Scores:

Pred. No.:	Score:	Length:	Conservative:	Mismatches:	Indels:	Gaps:
20	54.00	108	11	1	0	0
17	48.00%					
17	44.00%					
17	30.34%					
17	0					

US-09-485-951-3 (1-96) x US-08-966-269-4 (1-108)

QY 20 TTCAAGCCCTGCCCTCTCCACGGTGCCTCTCCCCAGCTGTCTGTTCCCACCCAGGCCA 79  
DB 17 PhcysAlaProGlyAlaArgAlaGlucLuproAlaAlaSerPhesGlnProGlySer 36

QY 80 GGGGGCGAGACAA 94  
DB 37 MetGlyLeuAspLys 41

RESULT 5

US-09-446-183A-15  
; Sequence 15, Application US/09436183A  
; Patent No. 6410315  
; GENERAL INFORMATION:  
; APPLICANT: McCarthy, Sean A.  
; APPLICANT: Kuranda, Michael Joseph  
; APPLICANT: Bulawa, Christine Ellen  
; TITLE OF INVENTION: METHOD FOR IDENTIFYING GENES ENCODING SIGNAL SEQUENCES  
; FILE REFERENCE: 09404/032001  
; CURRENT APPLICATION NUMBER: US/09/436,183A  
; PRIOR APPLICATION NUMBER: US 08/966,269  
; PRIOR FILING DATE: 1997-11-07  
; NUMBER OF SEQ ID NOS: 15  
; SOFTWARE: PastSEQ for Windows Version 3.0  
; SEQ ID NO: 15  
; LENGTH: 108  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-436-183A-15

Alignment Scores:

US-09-485-951-3 (1-96) x US-08-469-667-20 (1-156)

QY 76 GCCTGGTGGAAACAGACAGCTGGAGAACGGCAGCTGGACAG 17  
 |||||  
 |||||  
 5 Alatrp-ProValThrArgArgGlyAlaAlaGlyProTrpArgArgThrSer 24

QY 16 GGACRG 11  
 ||||;  
 Db 25 Glyval 26

RESULT 9  
 US-09-224-110-20  
 ; Sequence 20, Application US/0924110  
 ; Patent No. 6337195

GENERAL INFORMATION:  
 APPLICANT: Yu, Guo-Liang  
 APPLICANT: Rosen, Craig  
 TITLE OF INVENTION: Colon Specific Genes and Proteins  
 NUMBER OF SEQUENCES: 24  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,  
 STREET: Stewart & Olstein  
 STREET: 6 Becker Farm Road  
 CITY: Roseland  
 STATE: NJ  
 COUNTRY: USA  
 ZIP: 07068-1739 FORM:  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/224,110  
 FILING DATE:  
 PRIORITY APPLICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/469,667  
 FILING DATE: 06-JUN-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Ferraro, Gregory D.  
 REGISTRATION NUMBER: 36,134  
 REFERENCE/DOCKET NUMBER: 325800-435  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 201-994-1700  
 TELEFAX: 201-994-1744  
 INFORMATION FOR SEQ ID NO: 20:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 156 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-09-224-110-20

Alignment Scores:  
 Pred. No.: 21.2 Length: 125  
 Score: 54.00 Matches: 11  
 Percent Similarity: 48.00% Conservative: 1  
 Best Local Similarity: 44.00% MisMatches: 13  
 Query Match: 30.34% Indels: 0  
 DB: 4 Gaps: 0

RESULT 8  
 US-08-469-667-20  
 ; Sequence 20, Application US/08469667  
 ; Patent No. 5733748  
 GENERAL INFORMATION:  
 APPLICANT: Yu, Guo-Liang  
 APPLICANT: Rosen, Craig  
 TITLE OF INVENTION: Colon Specific Genes and Proteins  
 NUMBER OF SEQUENCES: 24  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,  
 STREET: Stewart & Olstein  
 STREET: 6 Becker Farm Road  
 CITY: Roseland  
 STATE: NJ  
 COUNTRY: USA  
 ZIP: 07068-1739  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/469,667  
 FILING DATE: 06-JUN-1995  
 CLASSIFICATION: 536  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Ferraro, Gregory D.  
 REGISTRATION NUMBER: 36,134  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 201-994-1700  
 TELEFAX: 201-994-1744  
 INFORMATION FOR SEQ ID NO: 20:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 156 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-09-224-110-20

Alignment Scores:  
 Pred. No.: 21.8 Length: 156  
 Score: 54.00 Matches: 9  
 Percent Similarity: 54.55% Conservative: 3  
 Best Local Similarity: 40.91% MisMatches: 10  
 Query Match: 4 Indels: 0  
 DB: 1 Gaps: 0

US-08-469-667-20  
 Alignment Scores:  
 Pred. No.: 21.8 Length: 156  
 Score: 54.00 Matches: 9  
 Percent Similarity: 54.55% Conservative: 3  
 Best Local Similarity: 40.91% MisMatches: 10  
 Query Match: 29.35% Indels: 0  
 DB: 1 Gaps: 0

PCT-US95-07289-20  
; Sequence 20, Application PC/TUSS9507289  
; GENERAL INFORMATION:  
; APPLICANT: Yu, Guo-Liang  
; ADDRESS: Rosen, Craig  
; TITLE OF INVENTION: Colon Specific Genes and Proteins  
; NUMBER OF SEQUENCES: 24  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,  
; STREET: Stewart & Olstein  
; CITY: Roseland  
; STATE: NJ  
; COUNTRY: USA  
; ZIP: 07068-1739

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: PCT/US95/072899  
; FILING DATE: 06-JUN-1995  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Ferraro, Gregory D.  
; REGISTRATION NUMBER: 36,134  
; REFERENCE/DOCKET NUMBER: 325800-2655  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 201-994-1700  
; TELEFAX: 201-994-1744  
; INFORMATION FOR SEQ ID NO: 20:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 156 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; PCT-US95-07289-20

Alignment Scores:  
Pred. No.: 21.8 Length: 156  
Score: 54.00 Matches: 9  
Percent Similarity: 54.35% Conservative: 3  
Best Local Similarity: 40.91% Mismatches: 10  
Query Match: 29.35% Indels: 0  
DB: 5 Gaps: 0

US-09-485-951-3 (1-96) x PCT-US95-07289-20 (1-156)

QY 76 GCCCTGGTGGAAACAGACAGCTGGGAGAACGGCACCGTGAGAAGGCAGGCTGAACAG 17  
Db 5 AlalrpProvalrpThrArgArgGlyAlaAlaGlyProTrpArgArgArgThrSer 24

QY 16 GGACTG 11  
Db 25 Glyval 26

RESULT 11  
US-09-655-270A-11  
; Sequence 11, Application US/09655270A  
; GENERAL INFORMATION:  
; APPLICANT: Rouvier, Pierre E.  
; TITLE OF INVENTION: High Density Sampling of Differentially Expressed Prokaryotic mRNA  
; FILE REFERENCE: BC1011 US NA  
; CURRENT APPLICATION NUMBER: US/09/655,270A  
; CURRENT FILING DATE: 2000-09-05  
; PRIOR APPLICATION NUMBER: 60/120,702  
; PRIOR FILING DATE: 1999-February-19  
; PRIOR APPLICATION NUMBER: 60/152,542  
; PRIOR FILING DATE: 1999-September-03  
; NUMBER OF SEQ ID NOS: 37  
; SOFTWARE: Microsoft Office 97

SEQ ID NO 11  
; LENGTH: 537  
; TYPE: PRT  
; ORGANISM: Rhodococcus erythropolis HL PM-1

Alignment Scores:  
Pred. No.: 25.8 Length: 537  
Score: 54.00 Matches: 8  
Percent Similarity: 45.00% Conservative: 1  
Best Local Similarity: 40.00% Mismatches: 11  
Query Match: 29.35% Indels: 0  
DB: 4 Gaps: 0

US-09-485-951-3 (1-96) x US-09-655-270A-11 (1-537)

QY 94 TTGTCTGGCCCCCTGGGCTGGGGAAACAGACAGCTGGGAGAACGGCACCGTGG 35  
Db 233 PheGlyThrAlaAspTrpGlyTrpIleGlyLeuMetLysLeuValProTrp 252

RESULT 12  
US-09-651-941-11  
; Sequence 11, Application US/09651941  
; Patent No. 6355470  
; GENERAL INFORMATION:  
; APPLICANT: ROUVIER, PIERRE E  
; APPLICANT: WALTERS, DANA M  
; APPLICANT: RAINER, RUSS  
; TITLE OF INVENTION: Genes Encoding Picric Acid Degradation  
; FILE REFERENCE: BC1022 US NA  
; CURRENT APPLICATION NUMBER: US/09/651,941  
; CURRENT FILING DATE: 2000-08-31  
; PRIOR APPLICATION NUMBER: 60/152,545  
; PRIOR FILING DATE: 1999-10-03  
; NUMBER OF SEQ ID NOS: 28  
; SOFTWARE: Microsoft Office 97  
; SEQ ID NO 11  
; LENGTH: 537  
; TYPE: PRT  
; ORGANISM: Rhodococcus erythropolis HL PM-1

Alignment Scores:  
Pred. No.: 25.8 Length: 537  
Score: 54.00 Matches: 8  
Percent Similarity: 45.00% Conservative: 1  
Best Local Similarity: 40.00% Mismatches: 11  
Query Match: 29.35% Indels: 0  
DB: 4 Gaps: 0

US-09-485-951-3 (1-96) x US-09-651-941-11 (1-537)

QY 94 TTGTCTGGCCCCCTGGGCTGGGGAAACAGACAGCTGGGAGAACGGCACCGTGG 35  
Db 233 PheGlyThrAlaAspTrpGlyTrpIleGlyLeuMetLysLeuValProTrp 252

RESULT 13  
US-09-955-597-11  
; Sequence 11, Application US/09955597  
; Patent No. 6461856  
; GENERAL INFORMATION:  
; APPLICANT: ROUVIER, PIERRE E  
; APPLICANT: WALTERS, DANA M  
; APPLICANT: RAINER, RUSS  
; TITLE OF INVENTION: Genes Encoding Picric Acid Degradation  
; FILE REFERENCE: BC1022 US NA  
; CURRENT APPLICATION NUMBER: US/09/595,597  
; CURRENT FILING DATE: 2001-09-17  
; PRIOR APPLICATION NUMBER: 60/152,545  
; PRIOR FILING DATE: 1999-10-03  
; NUMBER OF SEQ ID NOS: 28  
; SOFTWARE: Microsoft Office 97  
; SEQ ID NO 11

LENGTH: 537  
 ; TYPE: PROT  
 ; ORGANISM: Rhodococcus erythropolis HL PM-1  
 US-09-485-951-3

Alignment Scores:  
 Pred. No.: 25 .8 Length: 537  
 Score: 50.00 Matches: 8  
 Percent Similarity: 45.00% Conservative: 1  
 Best Local Similarity: 40.00% Mismatches: 11  
 Query Match: 29.35% Indels: 0  
 DB: 4 Gaps: 0

US-09-485-951-3 (1-96) x US-09-955-597-11 (1-537)

QY 94 TTTGTCMGCGCCCTGGGCTGGTGGAGAACAGACAGGGCTGGAGAACGGCACCGTGG 35  
 DB 233 ||||| ||||| :|||:||| ||||| |||||  
 PeGlyThrAlaAspTrpGlyTrpIleGlyLeuMetLeuValProTrp 252

RESULT 14  
 US-08-217-327-4

Sequence 4, Application US/08217327  
 Patent No. 5474925

GENERAL INFORMATION:  
 APPLICANT: John. Maliyakal, E  
 APPLICANT: Barton, Kenneth A  
 TITLE OF INVENTION: Immobilized Proteins in Cotton Fiber

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Quarles and Brady  
 STREET: P.O. Box 2113  
 CITY: Madison  
 STATE: WI  
 COUNTRY: USA  
 ZIP: 53701-2113

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/217,327  
 FILING DATE:  
 CLASSIFICATION: 435  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/812,233  
 FILING DATE: 19-DEC-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Ssey, Nicholas J  
 REGISTRATION NUMBER: 27,386  
 REFERENCE/DOCKET NUMBER: 1122990831

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 608-251-5000  
 TELEX/FAX: 608-51-9166

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 214 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein

US-08-217-327-4

Alignment Scores:  
 Pred. No.: 35.9 Length: 214  
 Score: 52.50 Matches: 13  
 Percent Similarity: 57.58% Conservative: 6  
 Best Local Similarity: 39.39% Mismatches: 11  
 Query Match: 29.49% Indels: 3  
 DB: 2 Gaps: 2

US-09-485-951-3 (1-96) x US-08-217-327-4 (1-214)

QY 2 ACCCCCCCACAGTCC--CTGTTCAGGCTGCCTTCRCCA---CGGTGCCGTTCCC 52

Db 154 :::::::|||||:::::|||||:::::|||||:::::|||||:::::|||||:::::||||| SerProAlaGlnThrProThrSerProAlaProAlaProAlaPro 173  
 QY 53 AGCCCTGCTGTTCCACCAAGGCCAGGGCGCAGAC 91  
 Db 174 ThrLeuGlyAlaAlaThrProGlyProAlaGlyThrAsp 186

RESULT 15  
 US-09-110-517-2  
 ; Sequence 2, Application US/09110517A  
 ; Patent No. 6248520  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Roeder, Robert G  
 ; APPLICANT: Fondaell, Joseph D  
 ; APPLICANT: Yuan, Chao X  
 ; APPLICANT: Ito, Mitsuhiro  
 ; TITLE OF INVENTION: NUCLEAR ACID MOLECULES ENCODING NUCLEAR HORMONE  
 ; FILE REFERENCE: 600-1-224  
 ; CURRENT APPLICATION NUMBER: US/09/110,517A  
 ; CURRENT FILING DATE: 1998-07-06  
 ; NUMBER OF SEQ ID NOS: 51  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 2  
 ; LENGTH: 1581  
 ; TYPE: PRT  
 ; ORGANISM: HOMO sapiens  
 US-09-110-517-2

Alignment Scores:  
 Pred. No.: 47 Length: 1581  
 Score: 52.50 Matches: 12  
 Percent Similarity: 64.00% Conservative: 4  
 Best Local Similarity: 48.00% Mismatches: 8  
 Query Match: 29.49% Indels: 1  
 DB: 4 Gaps: 1

US-09-485-951-3 (1-96) x US-09-110-517-2 (1-1581)

QY 23 AGCCCTGCTGTTCCACGGTGCCTCTCCAGCCCTGCTGTTCCACCA--GCCCA 79  
 Db 1180 SerLeuMetAsnProSerLeuSerProAsnIleSerProSerArgProPro 1199

QY 80 GGGGCCAGACAAA 94  
 Db 1200 GlyGlySerAspLys 1204

Search completed: November 24, 2002, 02:15:12  
 Job time : 24.5 secs

Copyright (c) 1993 - 2002 Compugen Ltd.

OM protein - protein search, using sw model

Run on: November 24, 2002, 02:31:04 ; Search time 10 Seconds  
(without alignments)

555,983 Million cell updates/sec

Title: US-09-485-951-2

Perfect score: 355

Sequence: 1 MAFSGSQAPYLSPAVPFGST.....LPTINRLEVGGDIQLTHVQT 355

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 100480 seqs, 15661496 residues

Word size : 0

Total number of hits satisfying chosen parameters: 100480

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Published Applications\_AA:  
 1: /cgn2\_6/picodata/1/pubpaas/US08\_NEWPUB.pep:  
 2: /cgn2\_6/picodata/1/pubpaas/PCT\_News\_PUB.pep:  
 3: /cgn2\_6/picodata/1/pubpaas/US06\_NEWPUB.pep:  
 4: /cgn2\_6/picodata/1/pubpaas/US06\_PUBCOMB.pep:  
 5: /cgn2\_6/picodata/1/pubpaas/US10\_NEWPUB.pep:  
 6: /cgn2\_6/picodata/1/pubpaas/US07\_PUBCOMB.pep:  
 7: /cgn2\_6/picodata/1/pubpaas/PCTUS\_PUBCOMB.pep:  
 8: /cgn2\_6/picodata/1/pubpaas/PUBCOMB.pep:  
 9: /cgn2\_6/picodata/1/pubpaas/US09\_NEWPUB.pep:  
 10: /cgn2\_6/picodata/1/pubpaas/US09\_PUBCOMB.pep:  
 11: /cgn2\_6/picodata/1/pubpaas/US10\_NEWPUB.pep:  
 12: /cgn2\_6/picodata/1/pubpaas/US10\_PUBCOMB.pep:  
 13: /cgn2\_6/picodata/1/pubpaas/US60\_NEWPUB.pep:  
 14: /cgn2\_6/picodata/1/pubpaas/US60\_PUBCOMB.pep:  
 15:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description	
1	355	100.0	378	10	US-09-738-973-439	
2	175	49.3	323	10	US-09-728-479-2	
3	163	45.9	311	10	US-09-763-689-4	
4	148	41.7	168	10	US-09-922-217-199	
5	89	25.1	323	10	US-09-833-233-199	
6	69	19.4	145	10	US-09-728-479-12	
7	69	19.4	149	10	US-09-894-526-1	
8	38	10.7	97	10	US-09-925-301-1437	
9	20	5.6	145	10	US-09-728-479-8	
10	11	20	5.6	145	10	US-09-894-526-5
11	12	20	5.6	145	10	US-09-263-689-12
12	13	13	3.7	322	10	US-09-728-479-11
13	14	12	3.4	262	10	US-09-763-689-14
14	15	10	2.8	39	9	US-09-975-143-12
15	16	10	2.8	41	9	US-09-975-143-13
16	17	10	2.8	324	10	US-09-728-479-7
17	18	10	2.8	324	10	US-09-263-689-11
18	19	10	2.8	336	10	US-09-747-804-1

## ALIGNMENTS

RESULT 1  
US-09-738-973-439  
Sequence 439, Application US/09738973  
; Patent No. US200210563A1  
; GENERAL INFORMATION:  
 ; APPLICANT: Reed, Steven G.  
 ; APPLICANT: Henderson, Robert A.  
 ; APPLICANT: Lodes, Michael J.  
 ; APPLICANT: Fling, Steven P.  
 ; APPLICANT: Mohammadi, Radiah  
 ; APPLICANT: Aligatu, Paul A.  
 ; APPLICANT: Sechrist, Heather  
 ; APPLICANT: Indriias, Carol Joseph  
 ; APPLICANT: Benson, Darin R.  
 ; APPLICANT: Elliott, Mark  
 ; APPLICANT: Mannion, Jane  
 ; APPLICANT: Kalios, Michael D.

THE THERAPY AND DIAGNOSIS OF LUNG CANCER

FILE REFERENCE: 2.0121.475C9

CURRENT APPLICATION NUMBER: US/09/738,973  
CURRENT FILING DATE: 2000-12-14  
NUMBER OF SEQ ID NOS: 587  
SEQ ID NO: 439  
LENGTH: 378  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-738-973-439

Query Match 100.0%; Score 355; DB 10; Length 378;  
Best Local Similarity 100.0%; Pred. No. 0; Gaps 0;

Matches 355; Conservative 0; Mismatches 0;

Qy 1 MAEFSQDQAPYLSPAVPFGSTGIOGLQDGLOITVNGTIVLSSSGTRAYNFQTFGSNDIAF 60  
Db 24 MAEFSQDQAPYLSPAVPFGSTGIOGLQDGLOITVNGTIVLSSSGTRAYNFQTFGSNDIAF 83

Qy 61 HFNPRFEQGGYVVCNTRGNSGPEERKTHMPFQKGMPFDLCFLCFQKGMFDFLCLFCFLVQSSDFKYMNGTLFV 120  
Db 84 HFNPRFEQGGYVVCNTRGNSGPEERKTHMPFQKGMPFDLCFLCFQKGMFDFLCLFCFLVQSSDFKYMNGTLFV 143

RESULT 2  
 US-09-728-479-2  
 ; Sequence 2, Application US/09728479  
 ; Patent No. US20020034726A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: KANEKASAKI, SHIRO  
 ; MATSUMOTO, RYOJI  
 ; APPLICANT: HIRASHIMA, MIOSUO MI  
 ; TITLE OF INVENTION: EOSINOPHIL CHEMOTACTIC FACTOR  
 ; FILE REFERENCE: 3914-2  
 ; CURRENT APPLICATION NUMBER: US/09/728,479  
 ; CURRENT FILING DATE: 2001-08-16  
 ; PRIOR APPLICATION NUMBER: PCT/JP99/02952  
 ; PRIOR FILING DATE: 1999-06-02  
 ; NUMBER OF SEQ ID NOS: 12  
 ; SOFTWARE: Patentin Ver. 2.1  
 ; SEQ ID NO: 2  
 ; LENGTH: 323  
 ; TYPE: PR  
 ; ORGANISM: Homo sapiens  
 ; US-09-728-479-2

Query Match 49.3%; Score 175; DB 10; Length 323;  
 Best Local Similarity 100.0%; Pred. No. 9.9e-161;  
 Matches 175; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 181 PGWMPANPAPTOVTHYQSAPQMFSTPAIPMMYPHAYPMPFITTGGLYPSKS 240  
 Db 149 PGWMPANPAPTOVTHYQSAPQMFSTPAIPMMYPHAYPMPFITTGGLYPSKS 208  
 QY 241 ILLSGTVLPSAQRHFNLCGNHIAFHLPNRFDENAVRNTQIDNSWGEERSLPRKMF 300  
 Db 209 ILLSGTVLPSAQRHFNLCGNHIAFHLPNRFDENAVRNTQIDNSWGEERSLPRKMF 258  
 QY 301 VRGQFSFWVILCEAHCLKYAVDGQLFEYHRNLPTINRLEVGGDIOLTHVT 355  
 Db 269 VRGQFSFWVILCEAHCLKYAVDGQLFEYHRNLPTINRLEVGGDIOLTHVT 323

RESULT 3  
 US-09-263-689-4  
 ; Sequence 4, Application US/09263689  
 ; Patent No. US20020150970A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ni, Jian  
 ; APPLICANT: Gentz, Reiner L.  
 ; APPLICANT: Rubin, Steven M.  
 ; TITLE OF INVENTION: Galactin 8, 9, 10 and 10Sv  
 ; NUMBER OF SEQUENCES: 60  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.C.  
 ; STREET: 1100 New York Ave., Suite 600  
 ; CITY: Washington  
 ; STATE: D.C.

QY 121 QYFHRVPFHRTDTSYNGSVOLSYISFQNPRTPVQPAESTVPPFSQPYCFFPPRGRGRRK 180  
 Db 144 QYFHRVPFHRTDTSYNGSVOLSYISFQNPRTPVQPAESTVPPFSQPYCFFPPRGRGRRK 203  
 QY 181 PGWMPANPAPTOVTHYQSAPQMFSTPAIPMMYPHAYPMPFITTGGLYPSKS 240  
 Db 204 PGWMPANPAPTOVTHYQSAPQMFSTPAIPMMYPHAYPMPFITTGGLYPSKS 263  
 QY 241 ILLSGTVLPSAQRHFNLCGNHIAFHLPNRFDENAVRNTQIDNSWGEERSLPRKMF 300  
 Db 264 ILLSGTVLPSAQRHFNLCGNHIAFHLPNRFDENAVRNTQIDNSWGEERSLPRKMF 323

QY 301 VRGQFSFWVILCEAHCLKYAVDGQLFEYHRNLPTINRLEVGGDIOLTHVT 355  
 Db 324 VRGQFSFWVILCEAHCLKYAVDGQLFEYHRNLPTINRLEVGGDIOLTHVT 378

RESULT 4  
 US-09-922-217-199  
 ; Sequence 199, Application US/09922217  
 ; Patent No. US2002007641A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; Loddes, Michael J.  
 ; APPLICANT: Secretary, Heather  
 ; Benson, Darin R.  
 ; APPLICANT: Meagher, Madeleine Joy  
 ; APPLICANT: Stolk, John A.  
 ; APPLICANT: Wang, Tongtong  
 ; APPLICANT: Jiang, Yugu  
 ; APPLICANT: Smith, Carole Lynn  
 ; APPLICANT: King, Gordon E.  
 ; APPLICANT: Wang, Ajun  
 ; APPLICANT: Clapper, Jonathan D.  
 ; APPLICANT: Ni, Jian  
 ; APPLICANT: Gentz, Reiner L.  
 ; APPLICANT: Rubin, Steven M.  
 ; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
 ; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE  
 ; FILE REFERENCE: 210124.471C13  
 ; CURRENT APPLICATION NUMBER: US/09/922,217  
 ; CURRENT FILING DATE: 2001-08-03  
 ; NUMBER OF SEQ ID NOS: 1124  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 199  
 ; LENGTH: 168  
 ; TYPE: PT

; ORGANISM: Homo sapiens  
; US-09-922-217-199

Query Match    41.7%: Score 148; DB 10; Length 168;  
Best Local Similarity 100.0%; Pred. No. 5e-135;  
Matches 148; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-728-479-12

Qy 1 MAEFSQAPYLSPAVPFSGTIGGLDQLQTIVNGTIVLSSGTRFAVNFTQSGNDIAF 60  
Db 7 MAEFSQAPYLSPAVPFSGTIGGLDQLQTIVNGTIVLSSGTRFAVNFTQSGNDIAF 66

Qy 61 HFNPREFDGGYVCNTRONGSGPEERKTHMPEQKGMFDLCLFLVQSSDFKVMNGILFV 120  
Db 67 HFNPREFDGGYVCNTRONGSGPEERKTHMPEQKGMFDLCLFLVQSSDFKVMNGILFV 126

Qy 121 QFHRVPFRHDTISVNGSVQLSYISFQ 148  
Db 127 QFHRVPFRHDTISVNGSVQLSYISFQ 154

**RESULT 5**  
Sequence 199, Application US/09833263  
Patent No. US200010547A1  
GENERAL INFORMATION:  
APPLICANT: Wang, Aljun  
APPLICANT: Clapper, Jonathan D.  
APPLICANT: Stolk, John A.  
APPLICANT: Maegher, Madeleine J.  
TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND  
TITLE OF INVENTION: DIAGNOSTICS OF COLON CANCER AND METHODS FOR THEIR USE  
CURRENT APPLICATION NUMBER: US/09/833,263  
CURRENT FILING DATE: 2001-04-10  
NUMBER OF SEQ ID NOs: 1093  
SOFTWARE: FastSEQ For Windows Version 3.0  
SEQ ID NO: 199  
LENGTH: 168  
TYPE: PRT  
ORGANISM: Homo sapien  
US-09-833-263-199

Query Match    41.7%: Score 148; DB 10; Length 168;  
Best Local Similarity 100.0%; Pred. No. 5e-135;  
Matches 148; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MAEFSQAPYLSPAVPFSGTIGGLDQLQTIVNGTIVLSSGTRFAVNFTQSGNDIAF 60  
Db 7 MAEFSQAPYLSPAVPFSGTIGGLDQLQTIVNGTIVLSSGTRFAVNFTQSGNDIAF 66

Qy 61 HFNPREFDGGYVCNTRONGSGPEERKTHMPEQKGMFDLCLFLVQSSDFKVMNGILFV 120  
Db 67 HFNPREFDGGYVCNTRONGSGPEERKTHMPEQKGMFDLCLFLVQSSDFKVMNGILFV 126

Qy 121 QFHRVPFRHDTISVNGSVQLSYISFQ 148  
Db 127 QFHRVPFRHDTISVNGSVQLSYISFQ 154

**RESULT 6**  
Sequence 12, Application US/09728479  
Patent No. US20020034726A1  
GENERAL INFORMATION:  
APPLICANT: KANEKAKI, SHIRO  
APPLICANT: MATSUMOTO, RYOJI  
APPLICANT: HIRASHIMA, MITSUO  
TITLE OF INVENTION: EOSINOPHIL CHEMOTACTIC FACTOR  
FILE REFERENCE: 3914-2  
CURRENT APPLICATION NUMBER: US/09/728,179  
CURRENT FILING DATE: 2001-08-16  
PRIOR APPLICATION NUMBER: PCT/JP99/02952  
PRIOR FILING DATE: 1999-06-02

Query Match    19.4%: Score 69; DB 10; Length 145;  
Best Local Similarity 100.0%; Pred. No. 3.9e-59;  
Matches 69; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 287 WGSSEERSLPRKMPFVRGQFSWVILCEAHCLKVAVDQHLEFYYHRLNLPQTINRLEVGG 346  
 Db 77 WGSSEERSLPRKMPFVRGQFSWVILCEAHCLKVAVDQHLEFYYHRLNLPQTINRLEVGG 136

Qy 347 D1QLTHYQT 355  
 Db 137 D1QLTHYQT 145

---

RESULT 8  
 US-09-894-526-3  
 ; Sequence 3 , Application US/09894526  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hillman, Jennifer L.  
 ; Goli, Surya K.  
 ; Bandman, Olga  
 ; Hawkins, Phillip R.  
 ; Petithory, Joanne R.  
 ; TITLE OF INVENTION: NOVEL HUMAN GALECTINS  
 ; NUMBER OF SEQUENCES: 5  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 ; STREET: 3174 Porter Drive  
 ; CITY: Palo Alto  
 ; STATE: CA  
 ; COUNTRY: USA  
 ; ZIP: 94304

COMPUTER READABLE FORM:  
 COMPUTER: IBM Compatible  
 COMPUTER TYPE: Diskette  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/894,526  
 FILING DATE: 27-Jun-2001  
 CLASSIFICATION:<Unknown>

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/778B,584  
 FILING DATE: <Unknown>  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J.  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PR-0192 US

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-845-4055  
 TELEFAX: 415-845-4166

INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 149 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 SEQUENCE DESCRIPTION: SEQ ID NO: 3:

US-09-894-526-3

Query Match 19.4%; Score 69; DB 10; Length 149;  
 Best Local Similarity 100.0%; Pred. No. 4e-59;  
 Matches 69; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 287 WGSSEERSLPRKMPFVRGQFSWVILCEAHCLKVAVDQHLEFYYHRLNLPQTINRLEVGG 346  
 Db 81 WGSSEERSLPRKMPFVRGQFSWVILCEAHCLKVAVDQHLEFYYHRLNLPQTINRLEVGG 140

Qy 347 D1QLTHYQT 355  
 Db 141 D1QLTHYQT 149

---

RESULT 9  
 US-09-925-301-1437  
 ; Sequence 1437 , Application US/09925301

Query Match 5.6%; Score 20; DB 10; Length 145;  
 Best Local Similarity 100.0%; Pred. No. 4.9e-12;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 264 IAFHLNPRDENAVVNTQI 283  
 Db 54 IAFHLNPRDENAVVNTQI 73

---

RESULT 11  
 US-09-894-526-5  
 ; Sequence 5 , Application US/09894526  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hillman, Jennifer L.  
 ; Goli, Surya K.  
 ; Bandman, Olga

Hawkins, Phillip R.  
 ; TITLE OF INVENTION: NOVEL HUMAN GALECTINS  
 ; NUMBER OF SEQUENCES: 5  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 ; STREET: 3174 Porter Drive  
 ; CITY: Palo Alto  
 ; STATE: CA  
 ; COUNTRY: USA  
 ; ZIP: 94304  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: DOS  
 ; SOFTWARE: FASTEQ for Windows Version 2.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/894,526  
 ; FILING DATE: 27-Jun-2001  
 ; CLASSIFICATION: <Unknown>  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/788,584  
 ; FILING DATE: <Unknown>  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Billings, Lucy J.  
 ; REGISTRATION NUMBER: PF-0192 US  
 ; REFERENCE/DOCKET NUMBER: PF-0192 US  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 415-855-0555  
 ; TELEFAX: 415-845-4166  
 ; INFORMATION FOR SEQ ID NO: 5:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 145 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; IMMEDIATE SOURCE:  
 ; LIBRARY: GenBank  
 ; CLONE: 727176  
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
 ; US-09-894-526-5

Query Match 5.6% Score 20; DB 10; Length 145;  
 Best Local Similarity 100.0%; Pred. No. 4.9e-12;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 264 IAFHLNPREDENAVRNTQI 283  
 Db 54 IAFHLNPREDENAVRNTQI 73

RESULT 12  
 US-09-263-689-12  
 ; Sequence 12, Application US/09263689  
 ; Patent No. US2002015070A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: NL, Jian  
 ; APPLICANT: Gentz, Reiner L.  
 ; APPLICANT: Ruben, Steven M.  
 ; TITLE OF INVENTION: Galectin 8, 9, 10 and 10Sv  
 ; NUMBER OF SEQUENCES: 60  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Steerne, Kessler, Goldstein, & Fox P.L.L.C.  
 ; STREET: 1100 New York Ave., Suite 600  
 ; CITY: Washington  
 ; STATE: D.C.  
 ; COUNTRY: USA  
 ; ZIP: 20005-3934  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/09/263,689  
 ; FILING DATE:  
 ; CLASSIFICATION:  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: 08/946,914  
 ; FILING DATE:  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Steffe, Eric K.  
 ; REGISTRATION NUMBER: 36,688  
 ; REFERENCE/DOCKET NUMBER: 14848.0560001/EKS/SGW  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 202-371-2600  
 ; TELEFAX: 202-371-2540  
 ; INFORMATION FOR SEQ ID NO: 12:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 145 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: not relevant  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: cDNA  
 ; US-09-263-689-12

Query Match 5.6% Score 20; DB 10; Length 145;  
 Best Local Similarity 100.0%; Pred. No. 4.9e-12;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 264 IAFHLNPREDENAVRNTQI 283  
 Db 54 IAFHLNPREDENAVRNTQI 73

RESULT 13  
 US-09-728-479-11  
 ; Sequence 11, Application US/09728479  
 ; Patent No. US20020034726A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: KANEKASAKI, SHIRO  
 ; APPLICANT: MATSUMOTO, RYOKI  
 ; APPLICANT: HIRASHIMA, MITSUOJI  
 ; TITLE OF INVENTION: EOSINOPHIL CHEMOTACTIC FACTOR  
 ; FILE REFERENCE: 3914-2  
 ; CURRENT APPLICATION NUMBER: US/09/728,479  
 ; CURRENT FILING DATE: 2001-08-16  
 ; PRIORITY APPLICATION NUMBER: PCT/JP99/02952  
 ; PRIORITY FILING DATE: 1999-06-02  
 ; PRIORITY APPLICATION NUMBER: JP 10/170698  
 ; PRIORITY FILING DATE: 1998-06-02  
 ; NUMBER OF SEQ ID NOS: 12  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 11  
 ; LENGTH: 322  
 ; TYPE: PRT  
 ; ORGANISM: Mus sp.  
 ; US-09-728-479-11

Query Match 3.7% Score 13; DB 10; Length 322;  
 Best Local Similarity 100.0%; Pred. No. 5.3e-05;  
 Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 55 GNDIAFHFNPRFE 67  
 Db 54 GNDIAFHFNPRFE 66

RESULT 14  
 US-09-263-689-14  
 ; Sequence 14, Application US/09263689  
 ; Patent No. US2002015070A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ni, Jian  
 ; APPLICANT: Gantz, Reiner L.  
 ; APPLICANT: Ruben, Steven M.

TITLE OF INVENTION: Galectin 8, 9, 10 and 10Sv  
NUMBER OF SEQUENCES: 60  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.C.  
STREET: 1100 New York Ave., Suite 600  
CITY: Washington

Y 57 DIAFHFNPRF 66  
b 22 DIAFHFNPRF 31

Search completed: November 24, 2002, 02:34:56  
Job time : 11 secs

TITLE OF INVENTION: Galectin 8, 9, 10 and 10S  
NUMBER OF SEQUENCES: 60  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Sterne, Kessler, Goldstein, & Fox  
STREET: 1100 New York Ave., Suite 600  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20005-3934  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.3  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/263,689

FILING DATE: CLASSIFICATION: PRIORITY APPLICATION DATA: APPLICATION NUMBER: 08/946, 914  
FILING DATE: ATTORNEY/AGENT INFORMATION: NAME: Steffe, Eric K.  
REGISTRATION NUMBER: 36, 688  
REFERENCE/DOCKET NUMBER: 14 88-0560001/EKS/SGW  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-371-2600  
TELEFAX: 202-371-2540  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 262 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
VERSION: 251-6901A

Query Match 3.4%; Score 12; DB 10; Length 262;  
 Best Local Similarity 100.0%; Pred. No. 0.0004;  
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

RESULT 15  
US-09-975-143-12  
; Sequence 12, Application US/09975143  
; Patent No. US2012015513A1  
; GENERAL INFORMATION:  
; APPLICANT: HSU, Daniel, K.  
; APPLICANT: LIOU, Fu-Tong  
; APPLICANT: DOWLING, Christopher A.  
; TITLE OF INVENTION: GALECTIN EXPRESSION IS INDUCED IN

TITLE OF INVENTION: CIRRHTIC LIVER AND HEPATOCELLULAR CARCINOMA  
FILE REFERENCE: DANHSD\_001C1  
CURRENT APPLICATION NUMBER: US/09/975,143  
CURRENT FILING DATE: 2001-10-10  
PRIOR APPLICATION NUMBER: PCT/US00/08561  
PRIOR FILING DATE: 2000-03-29  
NUMBER OF SEQ ID NOS: 47  
SOFTWARE: FastSEQ for Windows Version 4.0  
SEQ ID NO 12  
LENGTH: 39  
TYPE: PRT  
ORGANISM: chicken

```

Query Match      2.8%; Score 10; DB 9; Length 39;
Best Local Similarity 100.0%; Pred. No. 0.0064; Indels
Matches 10; Conservative 0; Mismatches 0;

```

GenCore version 5.1.3  
Copyright (c) 1993 - 2002 Compugen Ltd.

OM protein - protein search, using sw model

Run on: November 24, 2002, 02:25:24 ; Search time 19 Seconds  
(without alignments)

549.744 Million cell updates/sec

Title: US-09-485-951-2  
Perfect score: 355  
Sequence: 1 MAFSGSQAPYLSPAVPFSGT.....LPTINRLEVGGDIQLTHVQT 355

Scoring table: OLIGO Gapop 60.0 , Gapext 60.0

Searched: 262574 seqs, 29422922 residues

Word size : 0

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued\_Patents\_AA:  
 1: /cgn2\_6/podata/2/iaa/5A\_COMB.pep:  
 2: /cgn2\_6/podata/2/iaa/5B\_COMB.pep:  
 3: /cgn2\_6/podata/2/iaa/6A\_COMB.pep:  
 4: /cgn2\_6/podata/2/iaa/6B\_COMB.pep:  
 5: /cgn2\_6/podata/2/iaa/PCTNS\_COMB.pep:  
 6: /cgn2\_6/podata/2/iaa/backfile1.pep:  
 \*  
 \*  
 \*

Pred. NO. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	163	45.9	311	3	US-09-946-914-4
2	163	45.9	311	4	US-09-956-50-4
3	69	19.4	145	2	US-08-788-584-1
4	69	19.4	149	2	US-08-788-584-3
5	20	5.6	145	2	US-08-788-584-5
6	20	5.6	145	3	US-08-946-914-12
7	20	5.6	145	4	US-09-556-50-12
8	12	3.4	262	3	US-08-946-914-14
9	12	3.4	262	4	US-09-656-50-14
10	10	2.8	324	3	US-08-946-914-11
11	10	2.8	324	4	US-09-656-50-11
12	10	2.8	336	4	US-09-131-548-1
13	8	2.3	200	3	US-08-946-914-8
14	8	2.3	200	4	US-09-566-50-8
15	8	2.3	250	1	US-08-562-311-2
16	8	2.3	250	3	US-08-946-914-10
17	8	2.3	250	4	US-09-656-50-10
18	8	2.3	264	1	US-08-162-311-4
19	8	2.3	264	2	US-08-728-521-1
20	8	2.3	264	4	US-09-212-146-1
21	8	2.3	316	2	US-08-728-521-3
22	8	2.3	316	2	US-08-647-360-2
23	8	2.3	316	3	US-08-946-914-15
24	8	2.3	316	3	US-08-946-914-17
25	8	2.3	316	4	US-09-131-648-5
26	8	2.3	316	4	US-09-212-146-3
27	8	2.3	316	4	US-09-656-450-15

## ALIGNMENTS

RESULT 1  
US-08-946-914-4  
 ; Sequence 4, Application US/08946914  
 ; Patent No. 6027916

; GENERAL INFORMATION:  
 ; APPLICANT: Ni, Jian  
 ; APPLICANT: Gentz, Reiner L.  
 ; APPLICANT: Rubin, Steven M.  
 ; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV  
 ; NUMBER OF SEQUENCES: 60  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSE: Stern, Kessler, Goldstein, & Fox P.L.L.C.  
 ; STREET: 1100 New York Ave., Suite 600  
 ; CITY: Washington  
 ; STATE: D.C.  
 ; COUNTRY: USA  
 ; ZIP: 20005-1934

; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentin Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/946, 914  
 ; FILING DATE: Herewith  
 ; CLASSIFICATION: 530  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER: US 60/028, 093  
 ; FILING DATE: 09-OCT-1996  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Steffe, Eric K.  
 ; REGISTRATION NUMBER: 36, 688  
 ; REFERENCE/DOCKET NUMBER: 1488  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 202-371-2600  
 ; TELEFAX: 202-371-2540  
 ; INFORMATION FOR SEQ ID NO: 4:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 311 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein

; Query Match Score 4.9%; Score 163; DB 3; Length 311;  
 ; Best Local Similarity 100.0%; Pred. No. 4.5e-152;  
 ; Matches 163; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 193 TQTVIHTVQSAQPMQMFSTPAIPPMYPPHPAYPMFTITLGLGYPKSILLSGTLYPSAQ 252

Db 149 TQTVIHTVQSAQGQMESTPAIPMMPFITTILGGLYPSKSILLSTGTVLPSAQ 208  
 Qy 253 RPHINLCSGNHIAFHNLPRDFENAVYRNTQIDNSWSEERSLSPRKMPFVRGQFSYWIIC 312  
 Db 209 RPHINLCSGNHIAFHNLPRDFENAVYRNTQIDNSWSEERSLSPRKMPFVRGQFSYWIIC 268  
 Qy 313 EAHCLKAVDGQHLFEYHRLNPLTINRLEVGGDQLTHYQT 355  
 Db 269 EAHCLKAVDGQHLFEYHRLNPLTINRLEVGGDQLTHYQT 311

RESULT 2  
 US-09-656-450-4  
 ; Sequence 4, Application US/09656450  
 ; Patent No. 6468768

; GENERAL INFORMATION:  
 ; APPLICANT: Gantz, Reiner L.  
 ; APPLICANT: Ruben, Steven M.  
 ; TITLE OF INVENTION: Lectin 9 and 10Sv Polynucleotides  
 ; FILE REFERENCE: 1488.0566003  
 ; CURRENT APPLICATION NUMBER: US/09/656 450  
 ; CURRENT FILING DATE: 2000-09-06  
 ; PRIOR APPLICATION NUMBER: US 09/263,689  
 ; PRIOR FILING DATE: 1999-03-05  
 ; PRIOR APPLICATION NUMBER: US 08/946,914  
 ; PRIOR FILING DATE: 1997-10-09  
 ; PRIOR APPLICATION NUMBER: US 60/028,093  
 ; CURRENT FILING DATE: 1996-10-09  
 ; NUMBER OF SEQ ID NOS: 60  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 4  
 ; LENGTH: 311  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-656-450-4

Query Match 45.98%; Score 163; DB 4; Length 311;  
 Best Local Similarity 100.0%; Pred. No. 4.5e-152;  
 Matches 163; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 193 TQTVIHTVQSAQGQMESTPAIPMMPFITTILGGLYPSKSILLSTGTVLPSAQ 252  
 Db 149 TQTVIHTVQSAQGQMESTPAIPMMPFITTILGGLYPSKSILLSTGTVLPSAQ 208

Qy 253 RPHINLCSGNHIAFHNLPRDFENAVYRNTQIDNSWSEERSLSPRKMPFVRGQFSYWIIC 312  
 Db 209 RPHINLCSGNHIAFHNLPRDFENAVYRNTQIDNSWSEERSLSPRKMPFVRGQFSYWIIC 268  
 Qy 313 EAHCLKAVDGQHLFEYHRLNPLTINRLEVGGDQLTHYQT 355  
 Db 269 EAHCLKAVDGQHLFEYHRLNPLTINRLEVGGDQLTHYQT 311

RESULT 3  
 US-08-788-594-1  
 ; Sequence 1, Application US/08788584  
 ; Patent No. 5837493

; GENERAL INFORMATION:  
 ; APPLICANT: Hillman, Jennifer L.  
 ; APPLICANT: Goli, Surya K.  
 ; APPLICANT: Bandman, Olga  
 ; APPLICANT: Hawkins, Phillip R.  
 ; APPLICANT: Petrichory, Joanne R.  
 ; TITLE OF INVENTION: NOVEL HUMAN GALECTINS  
 ; NUMBER OF SEQUENCES: 5  
 ; ADDRESS/RECORDEE ADDRESS:  
 ; STREET: 3174 Porter Drive  
 ; CITY: Palo Alto  
 ; STATE: CA  
 ; COUNTRY: USA  
 ; ZIP: 94304

; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: DOS  
 ; SOFTWARE: FASTSEQ for Windows Version 2.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/788,584  
 ; FILING DATE: Filed Herewith  
 ; CLASSIFICATION: 436  
 ; PRIOR APPLICATION DATA:  
 ; APPLICATION NUMBER:  
 ; FILING DATE:  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Billings, Lucy J.

REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0192 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415-845-4166  
; TELEFAX: 415-845-4166  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 149 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear

**US-08-788-584-3**

Query Match 19.4%; Score 69; DB 2; Length 149;  
Best Local Similarity 100.0%; Pred. No. 4.2e-60;  
Matches 69; Conservative 0; N mismatches 0; Indels 0; Gaps 0;

Qy 287 WGESEERSLPKMPYRGQSFSWVILCEAHCKVAVDGQHLFEYYHRLNLPTRNLVEGG 346  
Db 81 WGESEERSLPKMPYRGQSFSWVILCEAHCKVAVDGQHLFEYYHRLNLPTRNLVEGG 140

Qy 347 DIQLTHVQT 355  
Db 141 DIQLTHVQT 149

---

**RESULT 5**

Sequence 5, Application US/08788584  
; Patent No. 5837493  
; GENERAL INFORMATION:  
; APPLICANT: Hallman, Jennifer L.  
; Goll, Surya K.  
; Bandman, Olga  
; Hawkins, Phillip R.  
; APPLICANT: Petithor, Joanne R.  
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/788,584  
; FILING DATE: Filed Herewith  
; CLASSIFICATION: 436  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0192 US  
; TELECOMMUNICATION INFORMATION:  
; TELEFAX: 415-845-4166  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 145 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 727176

**US-08-788-584-5**

Query Match 5.6%; Score 20; DB 2; Length 145;  
Best Local Similarity 100.0%; Pred. No. 5.1e-12;  
Matches 20; Conservative 0; N mismatches 0; Indels 0; Gaps 0;

Qy 264 TAFHINPREFDENAVVRNTQI 283  
Db 54 TAFHINPREFDENAVVRNTQI 73

---

**RESULT 6**

Sequence 12, Application US/08946914  
; Patent No. 6027916  
; GENERAL INFORMATION:  
; APPLICANT: Ni, Jian  
; Gantz, Reiner L.  
; APPLICANT: Ruben, Steven M.  
; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV  
; NUMBER OF SEQUENCES: 60  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.  
; STREET: 1100 New York Ave., Suite 600  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20005-1934

COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC Compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/946,914  
; FILING DATE: Herewith  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/028,093  
; FILING DATE: 09-OCT-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Steffe, Eric K.  
; REGISTRATION NUMBER: 36,688  
; REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-371-2600  
; TELEFAX: 202-371-2540  
; INFORMATION FOR SEQ ID NO: 12:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 145 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: linear  
; MOLECULE TYPE: cDNA

**US-08-946-914-12**

Query Match 5.6%; Score 20; DB 3; Length 145;  
Best Local Similarity 100.0%; Pred. No. 5.1e-12;  
Matches 20; Conservative 0; N mismatches 0; Indels 0; Gaps 0;

Qy 264 TAFHINPREFDENAVVRNTQI 283  
Db 54 TAFHINPREFDENAVVRNTQI 73

---

**RESULT 7**

Sequence 12, Application US/09656450  
; Patent No. 6168768  
; GENERAL INFORMATION:  
; APPLICANT: Ni, Jian  
; Gantz, Reiner L.  
; APPLICANT: Ruben, Steven M.

/TITLE OF INVENTION: Galactin 9 and 10SV Polynucleotides  
 /FILE REFERENCE: 1488.0560003  
 /CURRENT APPLICATION NUMBER: US/09/656,450  
 /CURRENT FILING DATE: 2000-09-06  
 /PRIOR APPLICATION NUMBER: US/09/656,450  
 /PRIOR FILING DATE: 1999-03-05  
 /PRIOR APPLICATION NUMBER: US/09/263,689  
 /PRIOR FILING DATE: 1997-10-09  
 /PRIOR APPLICATION NUMBER: US/09/263,689  
 /PRIOR FILING DATE: 1996-10-09  
 /NUMBER OF SEQ ID NOS: 60  
 /SOFTWARE: PatentIn version 3.0  
 /SEQ ID NO: 12  
 /TYPE: PRT  
 /ORGANISM: Rat  
 /US-09-656-450-12

**RESULT 9**  
 US-09-656-450-14  
 ; Sequence 14, Application US/09656450  
 ; Patent No. 6468768  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ni, Jian  
 ; APPLICANT: Ruben, Steven M.  
 ; TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides  
 ; FILE REFERENCE: 1488.0560003  
 ; CURRENT APPLICATION NUMBER: US/09/656,450  
 ; CURRENT FILING DATE: 2000-09-06  
 ; PRIOR APPLICATION NUMBER: US/09/263,689  
 ; PRIOR FILING DATE: 1999-03-05  
 ; PRIOR APPLICATION NUMBER: US/08/946,914  
 ; PRIOR FILING DATE: 1997-10-09  
 ; PRIOR APPLICATION NUMBER: US/09/028,093  
 ; PRIOR FILING DATE: 1996-10-09  
 ; NUMBER OF SEQ ID NOS: 60  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO: 14  
 ; LENGTH: 262  
 ; TYPE: PRT  
 ; ORGANISM: Rat  
 ; US-09-656-450-14

**Query Match**  
 Best Local Similarity 5.68%; Score 20; DB 4; Length 145;  
 Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

**Query** 264 IAFHLNPREDENAVRNTQI 283  
**Db** 54 IAFHLNPREDENAVRNTQI 73

**RESULT 8**  
 US-08-946-914-14  
 ; Sequence 14, Application US/08946914  
 ; Patent No. 6027916  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ni, Jian  
 ; APPLICANT: Ruben, Steven M.  
 ; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV  
 ; NUMBER OF SEQUENCES: 60  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.  
 ; STREET: 1100 New York Ave., Suite 600  
 ; CITY: Washington  
 ; STATE: D.C.  
 ; COUNTRY: USA  
 ; ZIP: 20005-3934

**Computer Readable Form:**  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/946,914  
 FILING DATE: Herewith  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 60/028,093  
 FILING DATE: 09-OCT-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Steffie, ERIC K.  
 REGISTRATION NUMBER: 36,688  
 REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-371-2600  
 TELEFAX: 202-371-2540  
 INFORMATION FOR SEQ ID NO: 14:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 262 amino acids  
 TYPE: amino acid  
 SPANDENESS: single  
 TOPOLOGY: Linear  
 MOLECULE TYPE: protein

**RESULT 9**  
 US-08-946-914-14  
 ; Sequence 14, Application US/09656450  
 ; Patent No. 6468768  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ni, Jian  
 ; APPLICANT: Ruben, Steven M.  
 ; TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides  
 ; FILE REFERENCE: 1488.0560003  
 ; CURRENT APPLICATION NUMBER: US/09/656,450  
 ; CURRENT FILING DATE: 2000-09-06  
 ; PRIOR APPLICATION NUMBER: US/09/263,689  
 ; PRIOR FILING DATE: 1999-03-05  
 ; PRIOR APPLICATION NUMBER: US/08/946,914  
 ; PRIOR FILING DATE: 1997-10-09  
 ; PRIOR APPLICATION NUMBER: US/09/028,093  
 ; PRIOR FILING DATE: 1996-10-09  
 ; NUMBER OF SEQ ID NOS: 60  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO: 14  
 ; LENGTH: 262  
 ; TYPE: PRT  
 ; ORGANISM: Rat  
 ; US-09-656-450-14

**Query Match**  
 Best Local Similarity 3.48%; Score 12; DB 4; Length 262;  
 Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

**Query** 55 GNDIAFHFNRF 66  
**Db** 164 GNDIAFHFNRF 175

**RESULT 10**  
 US-08-946-914-11  
 ; Sequence 11, Application US/08946914  
 ; Patent No. 6027916  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ni, Jian  
 ; APPLICANT: Gentz, Reiner L.  
 ; APPLICANT: Ruben, Steven M.  
 ; TITLE OF INVENTION: Gallectin 8, 9, 10 and 10SV  
 ; NUMBER OF SEQUENCES: 60  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.  
 ; STREET: 1100 New York Ave., Suite 600  
 ; CITY: Washington  
 ; STATE: D.C.  
 ; COUNTRY: USA  
 ; ZIP: 20005-3934  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0.  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/946,914  
 FILING DATE: Herewith  
 CLASSIFICATION: 530  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 60/028,093  
 FILING DATE: 09-OCT-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Steffie, ERIC K.  
 REGISTRATION NUMBER: 36,688  
 REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-371-2600  
 TELEFAX: 202-371-2540  
 INFORMATION FOR SEQ ID NO: 14:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 262 amino acids  
 TYPE: amino acid  
 SPANDENESS: single  
 TOPOLOGY: Linear  
 MOLECULE TYPE: protein

**Query Match**  
 3.4%; Score 12; DB 3; Length 262;

NAME: Steffe, Eric K.  
 ; REGISTRATION NUMBER: 36,688  
 ; REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 202-371-2600  
 ; TELEFAX: 202-371-2540  
 ; INFORMATION FOR SEQ ID NO: 11:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 324 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: not relevant  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 US-08-946-914-11

Query Match 2.8%; Score 10; DB 4; Length 324;  
 Best Local Similarity 100.0%; Pred. No. 0.071; Indels 0; Gaps 0;

Qy 57 DIAFHFNPRF 66  
 |||||||  
 Db 59 DIAFHFNPRF 68

---

RESULT 11  
 US-09-656-450-11  
 ; Sequence 11, Application US/09656450  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ni, Jian  
 ; ATTORNEY/AGENT INFORMATION:  
 ; APPLICANT: Gentz, Reiner L.  
 ; ATTORNEY/AGENT INFORMATION:  
 ; APPLICANT: Ruben, Steven M.  
 ; TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides  
 ; FILE REFERENCE: 1488.0560003  
 ; CURRENT APPLICATION NUMBER: US/09/656,450  
 ; CURRENT FILING DATE: 2000-09-06  
 ; PRIOR APPLICATION NUMBER: US 09/263,689  
 ; PRIOR FILING DATE: 1999-03-05  
 ; PRIOR APPLICATION NUMBER: US 08/946,914  
 ; PRIOR FILING DATE: 1997-10-09  
 ; PRIOR APPLICATION NUMBER: US 60/028,093  
 ; PRIOR FILING DATE: 1996-10-09  
 ; NUMBER OF SEQ ID NOS: 60  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO: 11  
 ; LENGTH: 324  
 ; TYPE: PRT  
 ; ORGANISM: Rat  
 US-08-656-450-11

Query Match 2.8%; Score 10; DB 4; Length 324;  
 Best Local Similarity 100.0%; Pred. No. 0.071; Indels 0; Gaps 0;

Qy 57 DIAFHFNPRF 66  
 |||||||  
 Db 59 DIAFHFNPRF 68

---

RESULT 12  
 US-09-131-648-1  
 ; Sequence 1, Application US/09131648  
 ; GENERAL INFORMATION:  
 ; Patent No. 6168920  
 ; APPLICANT: Hillman, Jennifer L.  
 ; ATTORNEY/AGENT INFORMATION:  
 ; APPLICANT: Yue, Henry  
 ; APPLICANT: Corley, Neil C.  
 ; APPLICANT: Guegler, Karl J.  
 ; APPLICANT: Patterson, Chandra  
 ; TITLE OF INVENTION: EXTRACELLULAR ADHESIVE PROTEINS  
 ; FILE REFERENCE: PF-0376 US  
 ; CURRENT APPLICATION NUMBER: US/09/131,648  
 ; CURRENT FILING DATE: 1998-08-10

Query Match 2.3%; Score 8; DB 3; Length 200;  
 Best Local Similarity 100.0%; Pred. No. 4.2; Indels 0; Gaps 0;

Qy 59 AFHENPRF 66  
 |||||||  
 Db 63 AFHENPRF 70

---

RESULT 14

```

US-09-656-450-8
; Sequence 8, Application US/09656450
; Patent No. 6468768
; GENERAL INFORMATION:
; APPLICANT: Ni, Jian
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides
; FILE REFERENCE: 1438.0560003
; CURRENT APPLICATION NUMBER: US/09/656,450
; CURRENT FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: US 09/263,689
; PRIOR FILING DATE: 1999-03-05
; PRIOR APPLICATION NUMBER: US 08/346,914
; PRIOR FILING DATE: 1997-10-09
; PRIOR APPLICATION NUMBER: US 60/028,093
; PRIOR FILING DATE: 1996-10-09
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 8
; LENGTH: 200
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-656-450-8

```

```

Query Match          2.3%; Score 8; DB 4; Length 200;
Best Local Similarity 100.0%; Pred. No. 4.2;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy   59 AFFHENPREF 66
Db   63 AFFHENPREF 70

```

## RESULT 15

```

US-08-562-311-2
; Sequence 2, Application US/08562311
; Patent No. 5801002
; GENERAL INFORMATION:
; APPLICANT: RAZ, AYRAHAM
; TITLE OF INVENTION: A METHOD OF DETERMINING THE PROBABILITY
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dykema Gossett
; STREET: STE 505 N. Woodward
; CITY: Bloomfield Hills
; STATE: MI
; COUNTY: U.S.
; ZIP: 48304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: FLOPPY disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/562,311
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/188,225
; FILING DATE:
; APPLICATION NUMBER: US 07/681,242
; FILING DATE: 04-APR-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/294,249
; FILING DATE: 01-JUN-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: KELLY, ROBERT L.
; REGISTRATION NUMBER: 31,843
; REFERENCE/DOCKET NUMBER: 61,686-
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 810-540-0849

```

Copyright (c) 1993 - 2002 Compugen Ltd.	GenCore version 5.1.3	Sequence 1, App
Run on:	November 24, 2002, 02:24:44 ; Search time 15:5943 Seconds (without alignments) 356.529 Million cell updates/sec	Sequence 2, App
Title:	US-09-485-951-2	Sequence 3, App
Effect score:	1917	Sequence 4, App
Sequence:	1 MAFFSSQAPYLSPAVPFSGT.....LPTINRLEYGGDDIQLTHVQT 355	Sequence 5, App
Scoring table:	BLOSUM62	Sequence 6, App
Gapop 10.0 , Gapext 0.5		Sequence 7, App
searched:	100480 seqs, 15661496 residues	Sequence 8, App
total number of hits satisfying chosen parameters:	100480	Sequence 9, App
minimum DB seq length: 0		Sequence 10, App
maximum DB seq length: 2000000000		Sequence 11, App
post-processing: Minimum Match 0%		Sequence 12, App
20	535 27.9 145 10 US-09-263-689-12	Sequence 13, App
21	472.5 24.6 316 10 US-09-747-804-5	Sequence 14, App
22	471.5 24.6 317 10 US-09-263-689-6	Sequence 15, App
23	455.5 23.8 315 10 US-09-728-479-10	Sequence 16, App
24	454.5 23.7 316 10 US-09-263-689-15	Sequence 17, App
25	454.5 23.7 316 10 US-09-263-689-17	Sequence 18, App
26	323 16.8 97 10 US-09-925-101-137	Sequence 19, App
27	321.5 16.8 336 10 US-09-747-804-1	Sequence 20, App
28	321 16.7 262 10 US-09-263-689-14	Sequence 21, App
29	318.5 16.6 250 9 US-09-981-353-127	Sequence 22, App
30	318.5 16.6 250 10 US-09-263-689-10	Sequence 23, App
31	284.5 14.8 149 10 US-09-728-479-10	Sequence 24, App
32	255 13.3 200 10 US-09-163-689-8	Sequence 25, App
33	230.5 12.0 136 10 US-09-728-479-9	Sequence 26, App
34	230.5 12.0 136 10 US-09-263-689-13	Sequence 27, App
35	220.5 11.5 196 10 US-09-768-816-55	Sequence 28, App
36	195.5 10.2 125 10 US-09-768-816-36	Sequence 29, App
37	178.5 9.3 139 9 US-09-049-842-15	Sequence 30, App
38	174 9.1 175 9 US-09-961-670-98	Sequence 31, App
39	174 9.1 175 10 US-09-164-803-37	Sequence 32, App
40	154 8.0 135 10 US-09-728-479-4	Sequence 33, App
41	154 8.0 135 10 US-09-919-197-81	Sequence 34, App
42	154 8.0 135 10 US-09-119-172-91	Sequence 35, App
43	154 8.0 135 10 US-09-263-689-16	Sequence 36, App
44	140.5 7.3 69 10 US-09-738-973-76	Sequence 37, App
45	140 7.3 45 9 US-09-975-143-20	Sequence 38, App

## ALIGNMENTS

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1917	100.0	378	10	US-09-738-973-439
2	1707	89.0	323	10	US-09-728-479-2
3	1687	88.0	323	10	US-09-728-479-12
4	1653	85.2	311	10	US-09-263-689-4
5	1219	63.6	322	10	US-09-728-479-11
6	846	44.1	168	10	US-09-922-217-199
7	846	44.1	168	10	US-09-833-263-199
8	783	40.8	149	10	US-09-894-526-3
9	661	34.5	145	10	US-09-894-526-1
10	603.5	31.5	324	10	US-09-728-479-7
11	603.5	31.5	324	10	US-09-263-689-11
12	574	29.9	323	9	US-09-981-353-110
13	574	29.9	323	10	US-09-802-674-2
14	574	29.9	323	10	US-09-922-217-1064
15	574	29.9	323	10	US-09-263-1064
16	574	29.9	323	10	US-09-263-689-2
17	574	29.9	329	10	US-09-002-674-13
18	535	27.9	145	10	US-09-728-479-8
19	535	27.9	145	10	US-09-894-526-5

Qy 121 QYFHRYPFHRVDTISYNGSVOLSYISFQNPRPTVQPAFSTVPSOPVCFFPRPRGRQQK 180  
 Db 144 QYFHRYPFHRVDTISYNGSVOLSYISFQNPRPTVQPAFSTVPSOPVCFFPRPRGRQQK 203  
 Qy 181 PGWMPNAPAPTQTVIHTYOSAPGMESTPAIIPPMYPHAYPAPFIFTIQLGLYPSKS 240  
 Db 204 PGWMPNAPAPTQTVIHTYOSAPGMESTPAIIPPMYPHAYPAPFIFTIQLGLYPSKS 263  
 Qy 241 ILLSGTIVLPSAQRFHNLCSGNHIAFLNPREDENAVRNTQIDNSWGSEERSLRKMPF 300  
 Db 264 ILLSGTIVLPSAQRFHNLCSGNHIAFLNPREDENAVRNTQIDNSWGSEERSLRKMPF 323  
 Qy 301 VRGQSFWSWILCEAHCLKVADQHFEYYHRLNLUPTINLEVEGGDIQLTHVQT 355  
 Db 324 VRGQSFWSWILCEAHCLKVADQHFEYYHRLNLUPTINLEVEGGDIQLTHVQT 378

RESULT 2  
 US-09-728-479-2  
 ; Sequence 2, Application US/09728479

; GENERAL INFORMATION  
 ; APPLICANT: KANEKASAKI, SHIRO  
 ; APPLICANT: MATSUMOTO, RYOJI  
 ; APPLICANT: HIRASHIMA, MITSUOMI  
 ; TITLE OF INVENTION: EENOPHIL CHEMOTACTIC FACTOR  
 ; FILE REFERENCE: 3914-2  
 ; CURRENT APPLICATION NUMBER: US/09/728,479  
 ; CURRENT FILING DATE: 2001-08-16  
 ; PRIORITY NUMBER: PCT/JP99/02952  
 ; PRIORITY FILING DATE: 1999-06-02  
 ; PRIORITY NUMBER: JP 10/170698  
 ; PRIORITY FILING DATE: 1998-06-02  
 ; NUMBER OF SEQ ID NOS: 12  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 12  
 ; LENGTH: 323  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; US-09-728-479-12

Query Match 88.0%; Score 1687; DB 10; Length 323;  
 Best Local Similarity 89.9%; Pred. No. 2, 6-138;  
 Matches 319; Conservative 1; Mismatches 13; Indels 32; Gaps 1;

Qy 1 MAFGSGQAPIYSPAVFSGTIGGLQDQITVNGTIVLSSGTRFAVNFTQFGSGNDIAF 60  
 Db 1 MAFGSGQAPIYSPAVFSGTIGGLQDQITVNGTIVLSSGTRFAVNFTQFGSGNDIAF 60  
 Qy 61 HFNPREFDGGYVVCNTRQNGSWGPEERKTHMPFQKGMPFDLCFLYOSDFKVMNGNLFY 120  
 Db 61 HFNPREFDGGYVVCNTRQNGSWGPEERKTHMPFQKGMPFDLCFLYOSDFKVMNGNLFY 120  
 Qy 121 QYFHRYPFHRVDTISYNGSVOLSYISFQNPRPTVQPAFSTVPSOPVCFFPRPRGRQQK 180  
 Db 121 QYFHRYPFHRVDTISYNGSVOLSYISFQNPRPTVQPAFSTVPSOPVCFFPRPRGRQQK 180  
 Qy 181 PGWMPNAPAPTQTVIHTYOSAPGMESTPAIIPPMYPHAYPAPFIFTIQLGLYPSKS 240  
 Db 149 PGWMPNAPAPTQTVIHTYOSAPGMESTPAIIPPMYPHAYPAPFIFTIQLGLYPSKS 208  
 Qy 241 ILLSGTIVLPSAQRFHNLCSGNHIAFLNPREDENAVRNTQIDNSWGSEERSLRKMPF 300  
 Db 209 ILLSGTIVLPSAQRFHNLCSGNHIAFLNPREDENAVRNTQIDNSWGSEERSLRKMPF 268  
 Qy 301 VRGQSFWSWILCEAHCLKVADQHFEYYHRLNLUPTINLEVEGGDIQLTHVQT 355  
 Db 269 VRGQSFWSWILCEAHCLKVADQHFEYYHRLNLUPTINLEVEGGDIQLTHVQT 323

RESULT 4  
 US-09-263-689-4  
 ; Application US/09263689  
 ; Patent No. US201020150970A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ni, Jian  
 ; APPLICANT: Gentz, Reiner L.  
 ; APPLICANT: Ruben, Steven M.  
 ; TITLE OF INVENTION: Glectin 8, 9, 10 and 10SV  
 ; NUMBER OF SEQUENCES: 60  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.  
 ; STREET: 1100 New York Ave., Suite 600  
 ; CITY: Washington  
 ; STATE: D.C.  
 ; COUNTRY: USA  
 ; ZIP: 20005-3934  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC Compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:

RESULT 3  
 US-09-728-479-12  
 ; Sequence 12, Application US/09728479

APPLICATION NUMBER: US/09/263, 689  
; FILING DATE: ;  
; CLASSIFICATION: ;  
; PRIORITY APPLICATION DATA: ;  
; APPLICATION NUMBER: 08/946, 914  
; FILING DATE: ;  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Steffie, Eric K.  
; REGISTRATION NUMBER: 36, 688  
; REFERENCE/DOCKET NUMBER: 1488-0560001/ERK/SGW  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-371-2600  
; TELEFAX: 202-371-2540  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 311 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-09-263-689-4

Query Match 63.6%; Score 1219.5; DB 10; Length 322;  
; Best Local Similarity 65.1%; Pred. No. 5.7e-98;  
; Matches 231; Conservative 34; Mismatches 57; Indels 33; Gaps 3;

Qy 1 MAFGSGQAPYLSPAVPFSTIQQGLQDGQIQTIVNGTVLSSGTRFAVNFGTGSNDIAF 60  
Db 1 MALESAQSPYINPLPFQPIQQGLQEGLQLVTLQTT KSFQAQFVNQNSFNGNDIAF 59

Qy 61 HFNPRFEDGGYVVCNTRONGSWGPEERKTHMPFKGMFDLCLFLVQSSDFKYMNGILFV 120  
Db 60 HFNPRFEDGGYVVCNTRONGSWGPEERKTHMPFKGMFDLCLFLVQSSDFKYMNGILFV 119

Qy 121 QYFHRRPFPHRVDITSVNGSVQLSYISFQNPRTPVQPAFSTVPSQPFPPRGRQK 180  
Db 120 QYQHRRPFLHLDITAVSCQLKLISFITQF-----TQNFR----- 152

Qy 181 PPGYWPAAPATQTVIHTVQSAFGQMSTPAIPPMYPHPAVPPMFITTLGGLYPSKS 240  
Db 153 -----PAQQMAQTTIMHVSTPGQMSTPGIPVVVPTPATIPFTPIPGLYPSKS 207

Qy 241 ILLSGTVPLPSAQEFHINCNSGNITAFHNPRFENAVRNTQIDNSNGSEERSLPRKMPF 300  
Db 208 IMUSGNVLPDATRFHNRCGGDAFHNPREFENAVRNTQINNSWQERSLGRMPF 267

Qy 301 VRGOSFSWILCEAHCLKVAWDGOHLFEYYHRLNLPTINRLEVGGDQLTHYQT 355  
Db 268 VRGOSFSWILCEGHCFKVAVNGQHMCYVHRLKNLQINTLEVAGDDQLTHYQT 322

RESULT 6  
US-09-922-217-199  
; Sequence 199, Application US/09/22217  
; Patent No. US2002007641A1  
; GENERAL INFORMATION:  
; APPLICANT: XU, Jiangchun  
; INVENTION: Secrist, Heather  
; APPLICANT: Loes, Michael J.  
; APPLICANT: Meacher, Madeleine Joy  
; APPLICANT: Benson, Darin R.  
; APPLICANT: Stolk, John A.  
; APPLICANT: Wang, Tongtong  
; APPLICANT: Jiang, Yugui  
; APPLICANT: Smith, Carole Lynn  
; APPLICANT: King, Gordon E.  
; APPLICANT: Wang, Ajun  
; APPLICANT: Claepper, Jonathan D.  
; TITLE OF INVENTION: Compounds for Immunotherapy and Diagnosis  
; OF COLON CANCER AND METHODS FOR THEIR USE  
; FILE REFERENCE: 210121\_471C13  
; CURRENT APPLICATION NUMBER: US/09/922, 217  
; CURRENT FILING DATE: 2001-08-03  
; NUMBER OF SEQ ID NOS: 1124  
; SOFTWARE: FastSEQ for Windows Version 4.0  
; SEQ ID NO: 199  
; LENGTH: 168  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-922-217-199

Query Match 44.1%; Score 846; DB 10; Length 168;  
; Best Local Similarity 83.5%; Pred. No. 4.1e-66;  
; Matches 162; Conservative 0; Mismatches 0; Indels 32; Gaps 1;

Qy 1 MAFGSGQAPYLSPAVPFSTIQQGLQDGQIQTIVNGTVLSSGTRFAVNFGTGSNDIAF 60  
Db 7 MAFGSGQAPYLSPAVPFSTIQQGLQDGQIQTIVNGTVLSSGTRFAVNFGTGSNDIAF 66

Qy 61 HFNPRFEDGGYVVCNTRONGSWGPEERKTHMPFKGMFDLCLFLVQSSDFKYMNGILFV 120  
Db 67 HFNPRFEDGGYVVCNTRONGSWGPEERKTHMPFKGMFDLCLFLVQSSDFKYMNGILFV 126

Qy 121 QYFHRRPFPHRVDITSVNGSVQLSYISFQNPRTPVQPAFSTVPSQPFPPRGRQK 180

Db 127 QFHRVPFRVDTISYNGSYQSYISFQ-----154  
 ; Sequence 199, Application US/09833263  
 ; Patent No. US20020110547A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Wang, Ajun  
 ; APPLICANT: Clapper, Jonathan D.  
 ; APPLICANT: Stoik, John A.  
 ; APPLICANT: Meagher, Madeleine J.  
 ; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND  
 ; TITLE OF INVENTION: DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE  
 ; FILE REFERENCE: 210121\_471C12  
 ; CURRENT APPLICATION NUMBER: US/09/833-263  
 ; CURRENT FILING DATE: 2001-04-10  
 ; SOFTWARE: FastSEQ for Windows Version 3.0  
 ; SEQ ID NO: 199  
 ; LENGTH: 168  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapien  
 US-09-833-263-199

Query Match 44.1%; Score 846; DB 10; Length 168;  
 Best Local Similarity 83.5%; Pred. No. 4..le-66;  
 Matches 162; Conservative 0; Mismatches 0; Indels 32; Gaps 1;

Qy 1 MAFSGQAPYLSPAVPPSGTQQGLDQTGVNGTIVLSSGSGTREAVNFOQFGSGNDIAF 60  
 Db 7 MAFSGQAPYLSPAVPPSGTQQGLDQTGVNGTIVLSSGSGTREAVNFOQFGSGNDIAF 66

Qy 61 HFNPREFDGGYYVCNTROGSNGPEERKTHMFEQKMPFDLCELYQSSDFPKVMVNGLFV 120  
 Db 67 HFNPREFDGGYYVCNTROGSNGPEERKTHMFEQKMPFDLCELYQSSDFPKVMVNGLFV 126

Qy 121 QFHRVPFRVDTISYNGSYQSYISFQNPRTPVYQPAFSTVPSOPVCFFRPRGRQK 180  
 Db 127 QFHRVPFRVDTISYNGSYQSYISFQ-----154

Qy 181 PGCVWPANPAPITQ 194  
 Db 155 PGCVWPANPAPITQ 168

RESULT 8  
 US-09-894-526-3  
 ; Sequence 3, Application US/09894526  
 ; Patent No. US2002017689A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hillman, Jennifer L.  
 ; Petithory, Joanne R.  
 ; Goli, Surya K.  
 ; Bandman, Olga  
 ; Hawks, Phillip R.  
 ; COUNTRY: USA  
 ; ZIP: 94304  
 ; NUMBER OF SEQUENCES: 5  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 ; STREET: 3174 Porter Drive  
 ; CITY: Palo Alto  
 ; STATE: CA  
 ; COUNTRY: USA  
 ; ZIP: 94104  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ for Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/894,526  
 FILING DATE: 27-Jun-2001  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/788,584  
 FILING DATE: <Unknown>  
 APPLICATION NUMBER: 08/788,584  
 FILING DATE: <Unknown>  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Billings, Lucy J.  
 REGISTRATION NUMBER: 36,749  
 REFERENCE/DOCKET NUMBER: PF-0192 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-845-4166  
 TELEFAX: 415-845-4166  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 149 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
 US-09-894-526-3

Query	Match	Length	Score	Best Local Similarity	Pred.	No.	Mismatches	Indels	Gaps
Qy	207 MFSTPAIPMMYPHPAYPMPPFTTILGGYLPSKSILLSGTLPMSAQRFHINLCGNHIAF	266	97.3%	97.3%	0	0	9.5e-61	4	0
Db	1 MFSTXGIPMMYPHPAYPMPPFTTILGGYLPSKSILLSGTLPMSAQRFHINLCGNHIAF	60							
Qy	267 HLNPRDENAVRNTQIDNSKGSEERSLPRKMPFVRQSFWSWILCEAHCLKVAVDGQHL	326							
Db	61 HLNPRDENAVRNTQIDNSKGSEERSLPRKMPFVRQSFWSWILCEAHCLKVAVDGQHL	120							
Qy	327 FEYYHRLRNLPNTINLEVGQDQLTHVQT	355							
Db	121 FEYYHRLRNLPNTINLEVGQDQLTHVQT	149							

RESULT 9  
 US-09-894-526-1  
 ; Sequence 1, Application US/09894526  
 ; Patent No. US2002012768A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hillman, Jennifer L.  
 ; Goli, Surya K.  
 ; Bandman, Olga  
 ; Hawks, Phillip R.  
 ; COUNTRY: USA  
 ; ZIP: 94304  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible

ATTORNEY/AGENT INFORMATION:  
NAME: Billings, Lucy J.  
REGISTRATION NUMBER: 36,749  
REFERENCE/DOCKET NUMBER: PF-0192 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415-655-0555  
TELEFAX: 415-645-4166  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 145 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-09-894-526-1

Query Match 34.5%; Score 661; DB 10; Length 145;  
Best Local Similarity 90.5%; Pred. No. 3.le-50; Gaps 0;  
Matches 124; Conservative 3; Mismatches 10; Indels 0;

QY 219 PHAPAYPMFFITLGGLYPSKSKILLSGTVLPSSQRFHINLCGNNHIAFHLPNPRFDENAVV 278  
Db 9 PYLSPXPVXFSGTQGGPLRPSKSKILLSGTVLPSSQRFHINLCGNNHIAFHLPNPRFDENAVV 68

QY 279 RNLQIDNSWGSSEERSLPLKMPFYRGQSFWVILCEAHCLKVAVDGOHLFEYXHRLRNLP 338  
Db 69 RNNQIDNWKGSSEERSLPLKMPFYRGQSFWVILCEAHCLKVAVDGOHLFEYXHRLRNLP 128

QY 339 INRLLEVGGDIQLTHVQT 355  
Db 129 INRLLEVGGDIQLTHVQT 145

RESULT 10  
US-09-728-479-7  
Sequence 7, Application US/09728479  
Patent No. US20020034726A1  
GENERAL INFORMATION:  
APPLICANT: KANGASAKI, SHIRO  
APPLICANT: MATSUMOTO, RYOJI  
APPLICANT: HIRASHIMA, MITSUOJI  
TITLE OF INVENTION: EOSINOPHIL CHEMOTACTIC FACTOR  
CURRENT APPLICATION NUMBER: US/09/728,479  
FILE REFERENCE: 3914-2  
CURRENT FILING DATE: 2001-08-16  
PRIOR APPLICATION NUMBER: PCT/JP99/02952  
PRIOR FILING DATE: 1999-06-02  
PRIOR APPLICATION NUMBER: JP 10/170698  
PRIOR FILING DATE: 1998-06-02  
NUMBER OF SEQ ID NOS: 12  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 7  
LENGTH: 324  
TYPE: PRT  
ORGANISM: Rattus sp.  
US-09-728-479-7

Query Match 31.5%; Score 603.5; DB 10; Length 324;  
Best Local Similarity 39.6%; Pred. No. 8e-45; Gaps 10;  
Matches 139; Conservative 54; Mismatches 115; Indels 43; Gaps 10;

QY 9 PYLSPAVPFSGTIOQGLDGQITVNGTVLSSSGTREAVNFQTG-FSGNDIAFHENPREF 67  
Db 11 PTYNPTLPYKRPPIPGGLEVMGSIYIQQ-IAKDNMRRFHVNFQVGDADIAFHENPREFD 69

QY 68 DGGKVVCMTRQNSWGPSPERKTHMPFQKGMPFDLCLFVQSSDEKVMNGILFQYFHRVP 127  
Db 70 GWDKVVNTMQSQWGEKEKKSMFQKGHHFELVEMSEHYKVVNGTPYEYGHRLP 129

QY 128 FHRVDTISYNGSVQLSYISFQNPRPTVPPAFSTVPPFQVCPPRPGRRQKPPGVWPA 187  
Db 130 LQMVTHLQVDGDLIELQSINF----LGQQPAASQYPGTMII-----PA 167

RESULT 11  
US-09-263-689-11  
Sequence 11, Application US/09263689  
Patent No. US20020150970A1  
GENERAL INFORMATION:  
APPLICANT: NI, Jian  
APPLICANT: Gent, Reiner L.  
APPLICANT: Ruben, Steven M.  
TITLE OF INVENTION: Galactin 8, 9, 10 and 10S  
NUMBER OF SEQUENCES: 60  
CORRESPONDENCE ADDRESS:  
ADDRESS: Sterne, Kessler, Goldstein, & Fox P.L.L.C.  
STREET: 1100 New York Ave., Suite 600  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20005-3934  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/263,689  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/946,914  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Steiff, Eric K.  
REGISTRATION NUMBER: 36,688  
REFERENCE/DOCKET NUMBER: 1488.0560001/ERS/SGW  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-371-2540  
TELEFAX: 202-371-2540  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 324 amino acids  
TYPE: amino acid  
STRANDEDNESS: not relevant  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-09-263-689-11

Query Match 31.5%; Score 603.5; DB 10; Length 324;  
Best Local Similarity 39.6%; Pred. No. 8e-45; Gaps 10;  
Matches 139; Conservative 54; Mismatches 115; Indels 43; Gaps 10;

QY 9 PYLSPAVPFSGTIOQGLDGQITVNGTVLSSSGTREAVNFQTG-FSGNDIAFHENPREFE 67  
Db 11 PTYNPTLPYKRPPIPGGLEVMGSIYIQQ-IAKDNMRRFHVNFQVGDADIAFHENPREF 69

QY 68 DGGYVVCNTROQNSWGPSPERKTHMPFQKGMPFDLCLFVQSSDEKVMNGILFQYFHRVP 127  
Db 70 GWDKVVNTMQSQWGEKEKKSMFQKGHHFELVEMSEHYKVVNGTPYEYGHRLP 129

QY 128 FHRVDTISYNGSVQLSYISFQNPRPTVPPAFSTVPPFQVCPPRPGRRQKPPGVWPA 187  
Db 130 LQMVTHLQVDGDLIELQSINF----LGQQPAASQYPGTMII-----PA 167

Query Match 31.5%; Score 603.5; DB 10; Length 324;  
Best Local Similarity 39.6%; Pred. No. 8e-45; Gaps 10;  
Matches 139; Conservative 54; Mismatches 115; Indels 43; Gaps 10;

QY 9 PYLSPAVPFSGTIOQGLDGQITVNGTVLSSSGTREAVNFQTG-FSGNDIAFHENPREFE 67  
Db 11 PTYNPTLPYKRPPIPGGLEVMGSIYIQQ-IAKDNMRRFHVNFQVGDADIAFHENPREF 69

QY 68 DGGYVVCNTROQNSWGPSPERKTHMPFQKGMPFDLCLFVQSSDEKVMNGILFQYFHRVP 127  
Db 70 GWDKVVNTMQSQWGEKEKKSMFQKGHHFELVEMSEHYKVVNGTPYEYGHRLP 129

QY 128 FHRVDTISYNGSVQLSYISFQNPRPTVPPAFSTVPPFQVCPPRPGRRQKPPGVWPA 187  
Db 130 LQMVTHLQVDGDLIELQSINF----LGQQPAASQYPGTMII-----PA 167

Qy	188	NPAPITQTIVHTVQSAPGOMESTPAAI-PPMMYPHPAYPMPEFTITLGGLYPSKSILLSG	245
Db	168	YP-----SAGYNPPQMNSLPMPAGPPIENP---PVPYVGTLOGGQTARTIIIKG	214
Qy	246	TVLPSAQORFHINLCSGN- HIAFHINLPREDENA VVRNTOLDNSNGSEERSLPRKMPFVRG	303
Db	215	YVLPPAKNLINFKVGTGDIAFHNPREGD-CYVRNSTYNGNSNEERKIPYNN-PFGAG	272
Qy	304	QSFSTWILCEAHLKVAVDQGQLHFYYHRLRNLPINRLEVGGDQLTHYQ	354
Db	273	QFFDLISRCGTDRFVYFANQQLFESHRQAOFYDMLFEIKGDTLTSVYQ	323
<b>RESULT 12</b>			
US-09-981-353-110	Sequence 1.10	Application US/0981353	
	Patent No. US20020160312A1		
GENERAL INFORMATION:			
	APPLICANT: Lasek, Amy W.		
	TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER		
	FILE REFERENCE: PA-0038 US		
	CURRENT APPLICATION NUMBER: US/09/981,353		
	CURRENT FILING DATE: 2001-10-11		
	NUMBER OF SEQ ID NOS: 194		
	SOFTWARE: PERL Program		
	SEQ ID NO 110		
	LENGTH: 323		
	TYPE: PRT		
	ORGANISM: Homo sapiens		
	FEATURE:		
	NAME/KEY: misc_feature		
	OTHER INFORMATION: Incyte ID No. US20020160382A1 273879CD1		
US-09-981-353-110			
Query Match Score 574; DB 9; Length 323;			
Best Local Similarity 38.2% ; Fred. No. 2.8e-42;			
Matches 134; Conservative 52; Mismatches 121; Indels 4; Gaps 0			
Qy	9	PYLSPAVPFSGTIOQGLDQLQTRVNGTVLSSSGTRAFVNQFTQGFS-GNDIAFHENPREFE	67
Db	11	PTYNTNLPIYQPIPGLNNGMSVTIQ-VASEHMRFFVNVEVGGDPGSIAVFIFNPRDF	69
Qy	68	DGGYVYCNTRONSNGSPEERKTHMFQKGMPFDLFLVQSSDFKWMNGLLEVQYHFRVP	127
Db	70	GWDKVFTNLQGGKMGSEERKRSMFKKGAFAELVFLVILAEHYKVVNGNPFYEXGHRLP	129
Qy	128	FHRVDTISYNGSVQLSIYSFQNPRTVPVQPAFSTVPSOPVCFPRPRGRQRQPKGVWA	187
Db	130	LQMTHVQDGLDQLQSQINFQQ-----PLRPQG----PMMPPP	165
Qy	188	NPAPITQTIVHTVQSAPGOMESTPAAI-PPMMYPHPAYPMPEFTITLGGLYPSKSILLSG	245
Db	166	YPPG-----GHCHQ---QNSLSPMEGPFTNP---PVPYFGLQGGQTARTIIIKG	212
Qy	246	TVLPSAQORFHIN-LCSGNHIAFHINLPREDENA VVRNTOLDNSNGSEERSLPRKMPFVRG	303
Db	213	YVPPGKSFAINFKVGTGDIALHNPREGD-CYVRNSTYNGNSNEERKIPYNN-PFGAG	271
Qy	304	QSFSTWILCEAHLKVAVDQGQLHFYYHRLRNLPINRLEVGGDQLTHYQ	354
Db	272	QFFDLISRCGTDRFVYFANQQLFESHRQAOFYDMLFEIKGDTLTSVYQ	322
<b>RESULT 13</b>			
US-09-802-674-2	Sequence 2. Application US/09802674		
	Patent No. US20020160382A1		
GENERAL INFORMATION:			
	APPLICANT: Macina, Roberto A		
	Piderit, Alejandra		
	Sun, Yoneming		
	APPLICANT:		
	APPLICANT:		

; TITLE OF INVENTION: Method of Diagnosing, Monitoring, Staging, Imaging and  
 ; TREATMENT OF CANCER  
 ; FILE REFERENCE: DEX-0142  
 ; CURRENT APPLICATION NUMBER: US/09/802,674  
 ; PRIORITY APPLICATION NUMBER: 60/188,061  
 ; PRIORITY FILING DATE: 2001-03-09  
 ; PRIORITY FILING DATE: 2000-03-09  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: Patentin Ver. 2.1  
 ; SEQ ID NO 2  
 ; LENGTH: 323  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-802-674-2

	Query Match	Score	DB	Length
Qy	9 PYLSPAVPFSTGQGLGLOITVNGTFLSSSGTRFAVNFTQGFS-GNDIAFHFNPNPFE 67	29.98;	10;	323;
Db	11 PTYNPLTYQYOPIPGKLNVGNSVYI-VASEHMKRFTVFVQGDPSDVAFHNPNPFD 69	38.28;	42;	
Qy	12 DGGYWCNTNONGSNSPEERKTHMPQGMFDLCFLVQSSDFKVMNGILTVQYFHVP 127	52;	44;	
Db	70 GWDKVVENTLQGGKNSSEERRSRSMPTKKGAELVFLVLAEHYKVVVNGNPFEYGHLP 129	Mismatches	121;	Gaps
Qy	128 FHRVDTSVNGSVQLSYISFQNPRITYPVQPAFSTVPSQPVCFPRPRGRQKPGYMPA 187			
Db	130 LQMVTHLQVDLQLQSLNFNFGQ-----PLRFQG----PPMAPP 165	1:	1:	
Qy	188 NPAPITQTIVHTVQSAQGMFSTPAI--PPMMYPHAYPMPEFTTILGLGLYPSKSILSG 245	1:	1:	
Db	166 YPGP----GHCQ-----QLNLSLPTMEGPPTFNP---PVYPFGRLQGGLTARRTTIKG 212	1:	1:	
Qy	246 TVPLPAQRTHN--LGSNNHAFLHNPFRDEAVVRNTQIDNSWGSEERSLPLKMPFRG 303	1:	1:	
Db	213 YVPPGKSFANFKYQGSSGDTALHINPRMGNTVVRNSLLNSWGSEEKKITHN-PFGPG 271	1:	1:	
Qy	304 QSFSTWLCEAHCLKVAVDGHLFEYHRNLNPTINRLEVGGDIOQLTHVQ 354	1:	1:	
Db	272 QFFDLSIRCGLDLDRFKVYANGOHLFDFAHLRSAFQRVDTLEIQGDVTLSYVQ 322	1:	1:	

**RESULT 14**  
 US-09-922-217-1064  
 ; Sequence 1064, Application US/09/22217  
 ; Patent No. US200706414A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Xu, Jiangchun  
 ; APPLICANT: Lodes, Michael J.  
 ; APPLICANT: Secrist, Heather  
 ; APPLICANT: Benson, Darin R.  
 ; APPLICANT: Meagher, Madeline Joy  
 ; APPLICANT: Stoik, John A.  
 ; APPLICANT: Wang, Tongtong  
 ; APPLICANT: Jiang, Yuqiu  
 ; APPLICANT: Smith, Carole Lynn  
 ; APPLICANT: King, Gordon E.  
 ; APPLICANT: Wang, Ajun  
 ; APPLICANT: Clapper, Jonathan D.  
 ; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  
 ; TITLE OF INVENTION: OF COLON CANCER AND METHODS FOR THEIR USE  
 ; FILE REFERENCE: 210121\_471C13  
 ; CURRENT APPLICATION NUMBER: US/09/922,217  
 ; CURRENT FILING DATE: 2001-08-03  
 ; NUMBER OF SEQ ID NOS: 1124  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO 1064  
 ; LENGTH: 323  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-922-217-1064

Query Match 29.9%; Score 574; DB 10; Length 323;  
 Best Local Similarity 38.2%; Pred. No. 2.8e-42;  
 Matches 134; Conservative 52; Mismatches 121; Indels 44; Gaps 10;

Db 213 YVPTGKSPAINFKVGSSEGDIALHINPRMNGTVRNSLNGSGSEEKKITHN-PFGPG 271

Qy 9 PLSPAVPSGSQTQGGLQDGLQTIVNGTVLSSGGTFAVNFTQGFS-GNDIAFHFNPRFE 67  
 Db 11 PTNPTLYPYQPIPGLNVGMSVYIQQ-VASEHMKRFEVNFVQGDFGSVDFAHFNPRFD 69

Qy 68 DGGVVCNTROGSWGPBKRKTQFQGMPTQSSDKVMYNGTILFQYFIRVP 127  
 Db 70 GNDKVKVENTLQGGKGWSSEERKSRMPFKGAFFELVLAEHKVVVNGNPVEYGHLP 129

Qy 128 FHRVDTISVNGSYOLSYTSFQNPRTRPVYQPAFSTVPSQVCFPPRGRQRKPPGVWPA 187  
 Db 130 LQAVTHLQVDGLQLOQSINFIGQ-----PLRPQG----PPMAPP 165

Qy 188 NPAPITQTVIHTYQSAQGQMFTSPAI - PPMKXPHAYPMPMFITLGGLYSKSILSLG 245  
 Db 166 YSPSP----GHCHQ---QLNSLPTMEGPTMNP----PVPVFRGLQGGLTARRTIIKG 212

Qy 246 TVLPSAQRFHIN - LCSGNHIAFHNLNPDEAVNRNTQIDNSWGSERSLPRKMPFVRG 303  
 Db 213 YVPTGKSPAINFKVGSSEERKSRMPFKGAFFELVLAEHKVVVNGNPVEYGHLP 271

Qy 304 QFSFWLICAEHLKVADQHQLFEYYHRLRNLIPTINLEVGSDIQLTHVQ 354  
 Db 272 QFFDLSTRCLQDREKVTANGQHLDFAHRLSAFQRVDTLEIQGDTLSSVQ 322

RESULT 15  
 US-09-833-263-1064  
 ; Sequence 1064, Application US/09833263  
 ; Patent No. US201010547A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Wang, Aijun  
 ; CLAPPER: Clapper, Jonathan D.  
 ; ATTORNEY: Stolk, John A.  
 ; APPLICANT: Maagher, Madeleine J.  
 ; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND  
 ; DIAGNOSIS OF COLON CANCER AND METHODS FOR THEIR USE  
 ; FILE REFERENCE: 210121.471C12  
 ; CURRENT FILING DATE: 2001-04-10  
 ; NUMBER OF SEQ ID NOS: 1093  
 ; SOFTWARE: FastSBQ for Windows Version 3.0  
 ; SEQ ID NO: 1064  
 ; LENGTH: 323  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-833-263-1064

Query Match 29.9%; Score 574; DB 10; Length 323;  
 Best Local Similarity 38.2%; Pred. No. 2.8e-42;  
 Matches 134; Conservative 52; Mismatches 121; Indels 44; Gaps 10;

Qy 9 PLSPAVPSGSQTQGGLQDGLQTIVNGTVLSSGGTFAVNFTQGFS-GNDIAFHFNPRFE 67  
 Db 11 PTNPTLYPYQPIPGLNVGMSVYIQQ-VASEHMKRFEVNFVQGDFGSVDFAHFNPRFD 69

Qy 68 DGGVVCNTROGSWGPBKRKTQFQGMPTQSSDKVMYNGTILFQYFIRVP 127  
 Db 70 GNDKVKVENTLQGGKGWSSEERKSRMPFKGAFFELVLAEHKVVVNGNPVEYGHLP 129

Qy 128 FHRVDTISVNGSYOLSYTSFQNPRTRPVYQPAFSTVPSQVCFPPRGRQRKPPGVWPA 187  
 Db 130 LQAVTHLQVDGLQLOQSINFIGQ-----PLRPQG----PPMAPP 165

Qy 188 NPAPITQTVIHTYQSAQGQMFTSPAI - PPMKXPHAYPMPMFITLGGLYSKSILSLG 245  
 Db 166 YSPSP----GHCHQ---QLNSLPTMEGPTMNP----PVPVFRGLQGGLTARRTIIKG 212

Qy 246 TVLPSAQRFHIN - LCSGNHIAFHNLNPDEAVNRNTQIDNSWGSERSLPRKMPFVRG 303



GenCore version 5.1.3  
Copyright (c) 1993 - 2002 Compugen Ltd.

OM protein - protein search, using sw model

Run on: November 24, 2002, 02:18:09 ; Search time 22.9328 Seconds  
(without alignments)  
455.467 Million cell updates/sec

Title: US-09-485-951-2  
Perfect score: 1917  
Sequence: 1 MAFGSQAPYLSPAVPESGT ..... LPTINRLEVGGDDIQLTHVQT 355

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 265574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA:\*

1: /cgns2\_6/podata/2/iaa/5A-COMB.pep:\*

2: /cgns2\_6/podata/2/iaa/5B-COMB.pep:\*

3: /cgns2\_6/podata/2/iaa/6A-COMB.pep:\*

4: /cgns2\_6/podata/2/iaa/6B-COMB.pep:\*

5: /cgns2\_6/podata/2/iaa/POTUS-COMB.pep:\*

6: /cgns2\_6/podata/2/iaa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1633	85.2	311	3 US-09-946-914-4	Sequence 4, Appli
2	1633	85.2	311	4 US-09-656-450-4	Sequence 3, Appli
3	783	40.8	149	2 US-08-788-384-3	Sequence 3, Appli
4	661	34.5	145	2 US-08-788-384-1	Sequence 1, Appli
5	603.5	31.5	324	3 US-08-946-914-11	Sequence 11, Appli
6	603.5	31.5	324	4 US-09-656-450-11	Sequence 11, Appli
7	574	29.9	323	1 US-08-469-667-16	Sequence 16, Appli
8	574	29.9	323	3 US-08-946-914-2	Sequence 2, Appli
9	574	29.9	323	4 US-09-224-110-16	Sequence 16, Appli
10	574	29.9	323	4 US-09-656-450-2	Sequence 2, Appli
11	574	29.9	323	5 PCT-US95-07289-16	Sequence 16, Appli
12	535	27.9	145	2 US-08-788-384-5	Sequence 5, Appli
13	535	27.9	145	3 US-08-946-914-12	Sequence 12, Appli
14	535	27.9	145	4 US-09-656-450-12	Sequence 12, Appli
15	472.5	24.6	316	3 US-08-946-914-6	Sequence 5, Appli
16	471.5	24.6	317	3 US-08-946-914-6	Sequence 6, Appli
17	471.5	24.6	317	4 US-09-656-450-6	Sequence 6, Appli
18	454.5	23.7	316	2 US-08-728-221-3	Sequence 2, Appli
19	454.5	23.7	316	2 US-08-946-914-12	Sequence 15, Appli
20	454.5	23.7	316	3 US-08-946-914-15	Sequence 15, Appli
21	454.5	23.7	316	4 US-09-212-146-3	Sequence 3, Appli
22	454.5	23.7	316	4 US-09-656-450-15	Sequence 15, Appli
23	454.5	23.7	316	4 US-09-656-450-17	Sequence 17, Appli
24	454.5	23.7	316	4 US-09-656-450-17	Sequence 17, Appli
25	353.5	18.4	264	2 US-08-728-221-1	Sequence 1, Appli
26	353.5	18.4	264	4 US-09-212-146-1	Sequence 1, Appli
27	328.5	17.1	264	1 US-08-562-311-4	Sequence 4, Appli

#### ALIGNMENTS

RESULT 1  
US-09-946-914-4  
; Sequence 4, Application US/08946914  
; Patent No. 6027916

#### GENERAL INFORMATION:

APPLICANT: Ni, Jian  
APPLICANT: Gantz, Reiner L.  
APPLICANT: Ruben, Steven M.  
TITLE OF INVENTION: Galectin 8, 9, 10 and 10S  
NUMBER OF SEQUENCES: 60  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.C.  
STREET: 1100 New York Ave., Suite 600  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20005-3934

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/946, 914

FILING DATE: Herewith

CLASSIFICATION: 530

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/028, 093

FILING DATE: 09-OCT-1996

ATTORNEY/AGENT INFORMATION:

NAME: Steffe, Eric K.

REGISTRATION NUMBER: 36, 688

REFERENCE/DOCKET NUMBER: 1488. 0560001/EKS/SGW

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-371-2600

TELEFAX: 202-371-2510

INFORMATION FOR SEQ ID NO: 4 :

SEQUENCE CHARACTERISTICS:

LENGTH: 311 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULAR TYPE: protein

US-08-946-914-4

Query Match Score 1633; DB 3; Length 311;

Best Local Similarity 87.6%; pred. No. 8.9e-164;

Matches 311; Conservative 0; Mismatches 0; Indels 44; Gaps 1;

Qy 1 MAFGSQAPYLSPAVPESGTQGGHQIQLGQIQTNGTNTVLSSTGTRAVNFQTGFSGNDAIF 60

Db 1 MAFSGSQAPYLSPAVPFSGTIGGLQDGLQTIVNGTILSSSGCTRFAVNFTQFGSGNDIAF 60  
 Qy 61 HENPRFEDGGYVYCNTROGSWGPPEERKTHMFEQKGMPEFDLCLFLYQSSDFKVMNGJLFY 120  
 Db 61 HENPRFEDGGYVYCNTROGSWGPPEERKTHMFEQKGMPEFDLCLFLYQSSDFKVMNGJLFY 120  
 RESULT 3  
 US-08-78-584-3  
 ; Sequence 3 , Application US/087888584  
 ; Patent No. 5837493  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hillman, Jennifer L.  
 ; APPLICANT: Goli, Suryak K.  
 ; APPLICANT: Bandman, Olga  
 ; APPLICANT: Hawkins, Phillip R.  
 ; APPLICANT: Petithory, Joanne R.  
 ; TITLE OF INVENTION: NOVEL HUMAN GALECTINS  
 ; NUMBER OF SEQUENCES: 5  
 ; CURRENT APPLICATION DATA:  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
 ; STREET: 3174 Porter Drive  
 ; CITY: Palo Alto  
 ; STATE: CA USA  
 ; ZIP: 94304  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Diskette  
 ; COMPUTER: IBM Compatible  
 ; OPERATING SYSTEM: DOS  
 ; SOFTWARE: FASTSEQ FOR Windows Version 2.0  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/788,584  
 ; FILING DATE: Filed Herewith  
 ; CLASSIFICATION: 436  
 ; PRIOR APPLICATION DATA:  
 ; FILING DATE:  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Billings, Lucy J.  
 ; REGISTRATION NUMBER: 36,749  
 ; REFERENCE/DOCKET NUMBER: PF-0192 US  
 ; TELECOMMUNICATION:  
 ; TELEPHONE: 415-855-0555  
 ; TELEFAX: 415-845-4166  
 ; INFORMATION FOR SEQ ID NO: 3 :  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 149 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 US-08-78-584-3

RESULT 2  
 US-09-656-450-4  
 ; Sequence 4 , Application US/09656450  
 ; Patent No. 6468768  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ni, Jian  
 ; APPLICANT: Gantz, Reiner L.  
 ; APPLICANT: Ruben, Steven M.  
 ; TITLE OF INVENTION: Galactin 9 and 10SV Polynucleotides  
 ; CURRENT APPLICATION NUMBER: US/09/656,450  
 ; CURRENT FILING DATE: 2000-09-06  
 ; PRIOR APPLICATION NUMBER: US 09/263,689  
 ; PRIOR FILING DATE: 1999-03-05  
 ; PRIOR APPLICATION NUMBER: US 08/946,914  
 ; PRIOR FILING DATE: 1997-10-09  
 ; PRIOR APPLICATION NUMBER: US 60/028,093  
 ; PRIOR FILING DATE: 1996-10-09  
 ; NUMBER OF SEQ ID NOS: 60  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 4  
 ; LENGTH: 311  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-656-450-4

Query Match 85.28; Score 1633; DB 4; Length 311;  
 Best Local Similarity 87.6%; Pred. No. 8\_9e-164;  
 Matches 311; Conservative 0; Mismatches 0; Indels 44; Gaps 1;

Qy 1 MAFSGSQAPYLSPAVPFSGTIGGLQDGLQTIVNGTILSSSGCTRFAVNFTQFGSGNDIAF 60  
 Db 1 MAFSGSQAPYLSPAVPFSGTIGGLQDGLQTIVNGTILSSSGCTRFAVNFTQFGSGNDIAF 60  
 Qy 61 HENPRFEDGGYVYCNTROGSWGPPEERKTHMFEQKGMPEFDLCLFLYQSSDFKVMNGJLFY 120  
 Db 61 HENPRFEDGGYVYCNTROGSWGPPEERKTHMFEQKGMPEFDLCLFLYQSSDFKVMNGJLFY 120  
 Qy 121 QFHHRVPHRVTDTISVNGSVQLSYISFQNPRTVVPQAFSTVPSQPVCFPRPRQRK 180  
 Db 121 QFHHRVPHRVTDTISVNGSVQLSYISFQNPRTVVPQAFSTVPSQPVCFPRPRQRK 180  
 Qy 181 PGWMPANPAPITQTIVHTQSGPQESTPAIIPMMYPHAPMPFITTLGGLYPSKS 240  
 Db 181 PGWMPANPAPITQTIVHTQSGPQESTPAIIPMMYPHAPMPFITTLGGLYPSKS 240  
 Qy 149 - - - - - TQTVIHTQSGPQESTPAIIPMMYPHAPMPFITTLGGLYPSKS 196  
 Db 149 - - - - - TQTVIHTQSGPQESTPAIIPMMYPHAPMPFITTLGGLYPSKS 196  
 Qy 241 ILLSGTVLPSAORFHINICSGNHIAFLNPRDENAVVRNTQIDNSWGSSEERSLPRKMPF 300  
 Db 197 ILLSGTVLPSAORFHINICSGNHIAFLNPRDENAVVRNTQIDNSWGSSEERSLPRKMPF 256  
 RESULT 4  
 US-08-78-584-1  
 ; Sequence 1 , Application US/087888584  
 ; Patent No. 5837493  
 ; GENERAL INFORMATION:

APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Goli, Surya K.  
; APPLICANT: Bandman, Olga R.  
; APPLICANT: Hawkins, Phillip R.  
; TITLE OF INVENTION: NOVEL HUMAN GALECTINS  
; NUMBER OF SEQUENCES: 5  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Incyte Pharmaceuticals, Inc.  
; CITY: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/788, 584  
; FILING DATE: Filed Herewith  
; CLASSIFICATION: 436  
; PRIORITY APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0192 US  
; TELECOMMUNICATION: AF 415-855-0555  
; TELEFAX: 415-845-4166  
; INFORMATION FOR SEQ ID NO: 1:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 145 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; US-08-788-584-1  
; Query Match 34.5%; Score 661; DB 2; Length 145;  
; Best Local Similarity 90.5%; Pred. No. 6.e-62;  
; Matches 124; Conservative 3; Mismatches 10; Indels 0; Gaps 0;  
; QY 219 PHAPYMPFITTPGSKPSKTSVLPQAQFTNLCGNHTAFHLNRFDENAVV  
; DB 9 PYLSPXPVPGSGTQGGLYPSKTSVLPQAQFTNLCGNHTAFHLNRFDENAVV 68  
; QY 279 RNTQDINWNKGSEERSLPRKMPVRGQSFSWVILCEAHCLKVADGQHLFSEYHRLRNLP 338  
; DB 69 RNNQIDINWNKGSEERSLPRKMPVRGQSFSWVILCEAHCLKVADGQHLFSEYHRLRNLP 128  
; QY 339 INRLEVGDIDQLTHVQT 355  
; DB 129 INRLEVGDIDQLTHVQT 145  
; RESULT 5  
; US-08-946-914-11  
; Sequence 11, Application US/08946914  
; Patent No. 6027916  
; GENERAL INFORMATION:  
; APPLICANT: Ni, Jian  
; APPLICANT: Gentz, Reiner L.  
; APPLICANT: Ruben, Steven M.  
; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV  
; NUMBER OF SEQUENCES: 60  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.  
; STREET: 1100 New York Ave., Suite 600  
; CITY: Washington D.C.  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20005-3934  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/946, 914  
; FILING DATE: Herewith  
; CLASSIFICATION: 530  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/028, 093  
; FILING DATE: 09-OCT-1996  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Steife, Eric K.  
; REGISTRATION NUMBER: 36, 688  
; REFERENCE/DOCKET NUMBER: 1488, 0560001/EKS/SGW  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-371-5600  
; TELEFAX: 202-371-2540  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 324 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: not relevant  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-08-946-914-11  
; Query Match 31.5%; Score 603; DB 3; Length 324;  
; Best Local Similarity 39.6%; Pred. No. 2.5e-55;  
; Matches 139; Conservative 54; Mismatches 115; Indels 43; Gaps 10;  
; QY 9 PYLSPAVPPSGTIOGGLOGLQITVNGTIVLSSGTRFVNQFTG - FSGNDIAFHNPFRPE 67  
; Db 11 PTYNPTLBYKRIPPGGLSVMGMSIYOG-TAKDNMRRFHVNFAYQDEADIAFHNPFRD 69  
; Qy 68 DGGYXVVCNTRQNNSWGPBIRKTMPEQGMPEFLVQSSDPKVMYNGILFVQYFHVP 127  
; Db 70 GWDKVVENTMOSGWGKBEKKSMPFQGHFFELVFMMSHEHYKVVNGTTPFEYGHLP 129  
; Qy 128 EHRYDTISVNGSNCFSQNPRTVYQPAFSTVPSQPYCFFPRPRGRQRKPPGYWA 187  
; Db 130 LQMVTHLQVDGLLQSINF----LGQPAASQYPGTMTI-----PA 167  
; Qy 188 NPAPITQTYVHTYQAPGOMESTPAI - PPMMYPHPAVPMFPFTTILGGLYPSKSILLSG 245  
; Db 168 YP-----SAGYNPQMNSLPVMAQPPIFNP---PVPVYGTLOGLTARTTIIKG 214  
; Qy 246 TVLPSAQRFHINLCSGN - HIAFHLPNPREDENAVVRNTQIDNSWGSEERSLPLPKMPFVRG 303  
; Db 215 YVLPTAKNLIINFKVGSTGDIATHMNPFRIGD-CVVRNSYMGNGSWGSEERKIPYN-PFGAG 272  
; Qy 304 QSFSYWILCEAHCLKVADGQHLFSEYHRLRNLPTEVGGDIOLTHVQ 354  
; Db 273 QFFDLISRGTDRKFVANGQLEDFSRFQAQVRDMLIEKDITLSVQ 323  
; RESULT 6  
; US-09-656-450-11  
; Sequence 11, Application US/09656450  
; Patent No. 6468768  
; GENERAL INFORMATION:  
; APPLICANT: Ni, Jian  
; APPLICANT: Gentz, Reiner L.  
; APPLICANT: Ruben, Steven M.  
; TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides  
; FILE REFERENCE: 1488-0560003  
; CURRENT APPLICATION NUMBER: US/09-656, 450  
; CURRENT FILING DATE: 2000-09-06  
; PRIOR APPLICATION NUMBER: US 09/263, 689  
; PRIOR FILING DATE: 1999-03-05

PRIOR APPLICATION NUMBER: US 08/946,914  
 PRIORITY FILING DATE: 1997-10-09  
 PRIOR APPLICATION NUMBER: US 60/028,093  
 PRIORITY FILING DATE: 1996-10-09  
 NUMBER OF SEQ ID NOS: 60  
 SOFTWARE: PatentIn version 3.0  
 SEQ ID NO 11  
 LENGTH: 324  
 TYPE: PRT  
 ORGANISM: Rat  
 B-09-656-45-11

Query Match	Score 31.58;	Length 324;	DB 4;	Length 324;
Best Local Similarity	39.68;	Pred. No. 2.5e-15;	Matches 54;	Mismatches 115;
Matches 139;	Conservative	Indels 43;	Gaps 10;	
9	pyLSPAVPFSCTIQQGLQDGLQIQUITVNGTVLSSGTRFAVNFGT-FSGNDIAFHENPRFE 67			
11	PTYNPTIPLYKREPIPGGSVKGSIYIIGQ-IAKDNMRERFHVNFAVGDEGADIAFHENPRFD 69			
68	DG>YVICNTRONGSWGPEERKTHMPQKGMPFDLCLVQSSDFKYMNGILFVQYFHRVP 127			
70	GWDKVYENTMGSQMGSKKEEKAKSMFQKGHFLYEMVMSEHYKVYVNGTPFYEGHLRP 129			
128	FHRVDITSVNGSVQLSYISFQNPRTPVQOPAFSTVPSQPVCFPPRGRQKPPGVWPA 187			
130	LQMVTHLQVDLQDLSINF----PA 167			
188	NPAPITQTVITIVQSAPGOMFSTPAI--PPMMYPHPAYPMPFITTLGGLYPSKSILLSG 245			
168	YB-----SAGYNNPOQNSLPLVAGPPIIFN----PYPVYGTIQQGLLTARRTIIKG 214			
246	TWLPSAORPHINLCSGN--HIAFHLMNPRDENAVNRNTQIDNSWGESEERSLPRKMPFVRG 303			
215	YVLPTAKNLINFKVGSTGDAFHNMNRIGD-CVVRNSYANGSWGSEERKIPYN_PFGAG 272			
304	QSFSYWILCAHCKLYAVDGQHLEYYHRLRNLPTRNLEVGDIOLTHYQ 354			
273	QFFDLSRCGTRFKVEANGOHLDFAHRSAFQRVDMLEIKGDTLSVQ 323			

RESULT 8  
 US-08-946-914-2  
 Sequence 2, Application US/08946914  
 Patent No. 6027916  
 GENERAL INFORMATION:  
 APPLICANT: Jian, Reiner L.  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 CURRENT APPLICATION DATA:  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 FILING DATE: 06-JUN-1995  
 CLASSIFICATION: 536  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Ferraro, Gregory D.  
 REGISTRATION NUMBER: 36,134  
 REFERENCE/DOCKET NUMBER: 325800-435  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 201-994-1700  
 FAX: 201-994-1744  
 TELEFAX: 201-994-1744  
 INFORMATION FOR SEQ ID NO: 16:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 323 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 SEQ ID NO 11  
 LENGTH: 324  
 TYPE: PRT  
 ORGANISM: Rat  
 B-09-656-45-11

Query Match	Score 29.98;	Length 323;	DB 1;	Length 323;
Best Local Similarity	38.28;	Pred. No. 3.2e-52;	Mismatches 121;	Indels 44;
Matches 134;	Conservative	Gaps 10;		
9	pyLSPAVPFSCTIQQGLQDGLQIQUITVNGTVLSSGTRFAVNFGT-FSGNDIAFHENPRFE 67			
Db	11 PTYNPTIPLYKREPIPGGSVKGSIYIIGQ-IAKDNMRERFHVNFAVGDEGADIAFHENPRFD 69			
Qy	DGGYVICNTRONGSWGPEERKTHMPQKGMPFDLCLVQSSDFKYMNGILFVQYFHRVP 127			
Db	GWDKVYENTMGSQMGSKKEEKAKSMFQKGHFLYEMVMSEHYKVYVNGTPFYEGHLRP 129			
Qy	FHRVDITSVNGSVQLSYISFQNPRTPVQOPAFSTVPSQPVCFPPRGRQKPPGVWPA 187			
Db	LQMVTHLQVDLQDLSINF----PA 167			
Qy	NPAPITQTVITIVQSAPGOMFSTPAI--PPMMYPHPAYPMPFITTLGGLYPSKSILLSG 245			
Db	YPPG-----GRICHQ----OLNSLPTMEGPFTENP---PYPVYGTIQQGLLTARRTIIKG 212			
Qy	TWLPSAORPHINLCSGN--HIAFHLMNPRDENAVNRNTQIDNSWGESEERSLPRKMPFVRG 303			
Db	YVPTAKNLINFKVGSTGDAFHNMNRIGD-CVVRNSYANGSWGSEERKIPYN_PFGAG 272			
Qy	QSFSYWILCAHCKLYAVDGQHLEYYHRLRNLPTRNLEVGDIOLTHYQ 354			
Db	QFFDLSRCGTRFKVEANGOHLDFAHRSAFQRVDMLEIKGDTLSVQ 323			

RESULT 8  
 US-08-946-914-2  
 Sequence 2, Application US/08946914  
 Patent No. 6027916  
 GENERAL INFORMATION:  
 APPLICANT: Genz, Reiner M.  
 COMPUTER: Ruben, Steven M.  
 OPERATING SYSTEM: Galactin 8, 9, 10 and 10SV  
 CURRENT APPLICATION DATA:  
 NUMBER OF SEQUENCES: 60  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.  
 STREET: 1100 New York Ave., Suite 600  
 CITY: Washington  
 STATE: D.C.  
 COUNTRY: USA  
 ZIP: 20005-3934  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 CURRENT APPLICATION DATA:  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 FILING DATE: Herewith  
 CLASSIFICATION: 530  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 60/028,093  
 FILING DATE: 09-OCT-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Steffe, Eric K.  
 REGISTRATION NUMBER: 36,688  
 REFERENCE/DOCKET NUMBER: 1488-0560001/EKS/SGW  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 202-331-2600

TELEFAX: 202-371-2540  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 323 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-09-224-110-16

Query Match Score 29.9%; DB 3; Length 323;  
 Best Local Similarity 38.2%; Pred. No. 3.2e-52;  
 Matches 134; Conservative 52; Mismatches 121; Indels 44; Gaps 10;

9 PYLSPAVPFSQGGLQDGLQITVNGTTLSSSGTREAVNFGTGS-GNDIAFHFNPRFE 67  
 11 PTYNPTLPYQPIPGGLNVGMSVYIQC-VASEHMKRFPVNFTVGQDPGSDAFHFNPRFD 69

68 DGGYYVCNTRONSWGPEERKTHMPFKGMPFDLCFLQVOSSEDFKVMYNGILFVQYFHRVP 127  
 70 GWDKVVENTLQGKGWSBERKSMFKGAALFVFLAEHYKVVNGNPYEFYGHRLP 129

128 FHRVDITLSVNGSVQLSYISQNPNRTPVQAFSTVPPSQQVCFCPPRGRQRKPPGVWPA 187  
 130 LQMYTHLQVDGLQLOQINFEGQ-----PLRQG-----PPMMP 165

188 NPAPITQTVHTVQSAQGMESTPAI--PPMMYHPAYPMPPITLGGLYPSKSILLSG 245  
 166 YPGP----GHCHQ---QNSLSPTMEGPPTFNP---PVVPTGRLGGLTARRTIIKG 212

246 TYLPSAQRFHIN--LCSGNHIAFHINPREDENAVVRNTQIDNSWGSERSLPRKMPFVRG 303  
 213 YVPPTGKSFAINFKVGSQDDALHINFRMGNTCTVRSNLNGSWGSEKKTHN-PFGPG 271

304 QSFSSWVLCEAHCLKAVDGQHLFEYHRLNMLPTINRLVEGGDIQLTHQ 354  
 272 QFFDLSRCGLDREKYANGQHLPDFHRSANFQRVTITLEQGDVTLSYVQ 322

RESULT 9  
 -09-224-110-16  
 Sequence 16, Application US/09224110  
 Patent No. 6337195  
 GENERAL INFORMATION:  
 APPLICANT: Yu, Guo-Liang  
 APPLICANT: Rosen, Craig  
 TITLE OF INVENTION: Colon Specific Genes and Proteins  
 NUMBER OF SEQUENCES: 24  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Carella, Byrne, Bain, Gilfillan, Cecchi,  
 STREET: 6 Becker Farm Road  
 CITY: Roseland  
 STATE: NJ  
 COUNTRY: USA  
 ZIP: 07058-1739  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, version #1.30  
 CURRENT APPLICATION DATA:  
 FILING DATE:  
 APPLICATION NUMBER: US/09/224,110  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/469,667  
 FILING DATE: 06-JUN-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Ferraro, Gregory D.  
 REGISTRATION NUMBER: 36,114  
 REFERENCE DOCKET NUMBER: 325800-435  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 201-94-1700

Query Match Score 29.9%; DB 4; Length 323;  
 Best Local Similarity 38.2%; Pred. No. 3.2e-52;  
 Matches 134; Conservative 52; Mismatches 121; Indels 44; Gaps 10;

9 PYLSPAVPFSQGGLQDGLQITVNGTTLSSSGTREAVNFGTGS-GNDIAFHFNPRFE 67  
 11 PTYNPTLPYQPIPGGLNVGMSVYIQC-VASEHMKRFPVNFTVGQDPGSDAFHFNPRFD 69

68 DGGYYVCNTRONSWGPEERKTHMPFKGMPFDLCFLQVOSSEDFKVMYNGILFVQYFHRVP 127  
 70 GWDKVVENTLQGKGWSBERKSMFKGAALFVFLAEHYKVVNGNPYEFYGHRLP 129

128 FHRVDITLSVNGSVQLSYISQNPNRTPVQAFSTVPPSQQVCFCPPRGRQRKPPGVWPA 187  
 130 LQMYTHLQVDGLQLOQINFEGQ-----PLRQG-----PPMMP 165

188 NPAPITQTVHTVQSAQGMESTPAI--PPMMYHPAYPMPPITLGGLYPSKSILLSG 245  
 166 YPGP----GHCHQ---QNSLSPTMEGPPTFNP---PVVPTGRLGGLTARRTIIKG 212

246 TYLPSAQRFHIN--LCSGNHIAFHINPREDENAVVRNTQIDNSWGSERSLPRKMPFVRG 303  
 213 YVPPTGKSFAINFKVGSQDDALHINFRMGNTCTVRSNLNGSWGSEKKTHN-PFGPG 271

304 QSFSSWVLCEAHCLKAVDGQHLFEYHRLNMLPTINRLVEGGDIQLTHQ 354  
 272 QFFDLSRCGLDREKYANGQHLPDFHRSANFQRVTITLEQGDVTLSYVQ 322

RESULT 10  
 US-09-656-450-2  
 Sequence 2, Application US/09656450  
 ; Sequence 2, Application US/09656450  
 ; Patent No. 6468768  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ni, Jian  
 ; APPLICANT: Gentz, Reiner L.  
 ; APPLICANT: Ruben, Steven M.  
 ; TITLE OF INVENTION: Galactin 9 and 10SV Polynucleotides  
 ; FILE REFERENCE: 1498\_0560003  
 ; CURRENT APPLICATION NUMBER: US/09/656,450  
 ; CURRENT FILING DATE: 2000-09-06  
 ; PRIOR APPLICATION NUMBER: US 09/263, 689  
 ; PRIOR FILING DATE: 1999-03-05  
 ; PRIOR APPLICATION NUMBER: US 08/946, 914  
 ; PRIOR FILING DATE: 1997-10-09  
 ; PRIOR APPLICATION NUMBER: US 60/028, 093  
 ; NUMBER OF SEQ ID NOS: 60  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 2  
 ; LENGTH: 323  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-656-450-2

Query Match Score 29.9%; DB 4; Length 323;  
 Best Local Similarity 38.2%; Pred. No. 3.2e-52;  
 Matches 134; Conservative 52; Mismatches 121; Indels 44; Gaps 10;

9 PYLSPAVPFSQGGLQDGLQITVNGTTLSSSGTREAVNFGTGS-GNDIAFHFNPRFE 67  
 11 PTYNPTLPYQPIPGGLNVGMSVYIQC-VASEHMKRFPVNFTVGQDPGSDAFHFNPRFD 69

68 DGGYYVCNTRONSWGPEERKTHMPFKGMPFDLCFLQVOSSEDFKVMYNGILFVQYFHRVP 127



Qy 268 LNPREDENAVRNTQIDNSWGGSEERSLPRKMPFVRGOSFSWILCEAHCLKVAVDQHLF 327  
 Db 58 LNPREDENAVRNTQINNSWGGPEERSLPGSMFESRGOFSTWILCESHCFCFKVAVDGHIC 117

Qy 328 EYHRLRNLPNTNLREVGDIOLTHYOT 355  
 Db 118 EYSHRLNLPDNTLEVAGDIOLTHYET 145

**RESULT 13**  
 US-08-946-914-12  
 ; Sequence 12, Application US/08946914  
 ; Sequence 12, Application US/08946914  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ni, Jian  
 ; APPLICANT: Gentz, Reiner L.  
 ; APPLICANT: Ruben, Steven M.  
 ; TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides  
 ; FILE REFERENCE: 1488\_0560003  
 ; CURRENT APPLICATION NUMBER: US/09/656,450  
 ; CURRENT FILING DATE: 2000-09-06  
 ; PRIOR APPLICATION NUMBER: US 09/263,689  
 ; PRIOR FILING DATE: 1999-03-05  
 ; PRIOR APPLICATION NUMBER: US 08/945,914  
 ; PRIOR FILING DATE: 1997-10-09  
 ; PRIOR APPLICATION NUMBER: US 60/028,093  
 ; PRIOR FILING DATE: 1996-10-09  
 ; NUMBER OF SEQ ID NO: 60  
 ; SEQ ID NO: 12  
 ; LENGTH: 145  
 ; TYPE: PRT  
 ; ORGANISM: Rat  
 ; US-09-656-450-12

Query Match 27.9%; Score 535; DB 4; Length 145;  
 Best Local Similarity 70.3%; Pred. No. 1.2e-48;  
 Matches 104; Conservative 9; Mismatches 29; Indels 6; Gaps 1;

Qy 208 FSTPAIPPMYHPAYPMPFITLGGLYPSKSILLSGTVPSSAQRFHINLCSGNHIAFH 267  
 Db 4 FSTQT----PYPLAVPFETSPINGLYPSKSIVSGVVLSDAKRFQINLRGGDIAFH 57

Qy 268 LNPRFDENAVRNTQIDNSWGGSEERSLPRKMPFVRGOSFSWILCEAHCLKVAVDQHLF 327  
 Db 58 LNPRFDENAVRNTQINNSWGGPEERSLPGSMFESRGOFSTWILCESHCFCFKVAVDGHIC 117

Qy 328 EYHRLRNLPNTNLREVGDIOLTHYOT 355  
 Db 118 EYSHRLNLPDNTLEVAGDIOLTHYET 145

**RESULT 14**  
 US-09-656-450-12

Query Match 27.9%; Score 535; DB 3; Length 145;  
 Best Local Similarity 70.3%; Pred. No. 1.2e-48;  
 Matches 104; Conservative 9; Mismatches 29; Indels 6; Gaps 1;

Qy 208 FSTPAIPPMYHPAYPMPFITLGGLYPSKSILLSGTVPSSAQRFHINLCSGNHIAFH 267  
 Db 4 FSTQT----PYPLAVPFETSPINGLYPSKSIVSGVVLSDAKRFQINLRGGDIAFH 57

Qy 268 LNPRFDENAVRNTQIDNSWGGSEERSLPRKMPFVRGOSFSWILCEAHCLKVAVDQHLF 327  
 Db 58 LNPRFDENAVRNTQINNSWGGPEERSLPGSMFESRGOFSTWILCESHCFCFKVAVDGHIC 117

Qy 328 EYHRLRNLPNTNLREVGDIOLTHYOT 355  
 Db 118 EYSHRLNLPDNTLEVAGDIOLTHYET 145

Query Match 24.6%; Score 472.5; DB 4; Length 316;  
 Best Local Similarity 33.0%; Pred. No. 1.5e-41;  
 Matches 115; Conservative 55; Mismatches 128; Indels 51; Gaps 8;

Qy 12 SPAYPFVGTQGQLDGHQITNGTVLSSSGTFAVNFTQGTFSGN--DIAAFENPRED 68  
 Db 13 NPVIFPVGTIPDQDGPGLIVRGHV-PSDADREQDDQNGSSVKPRADVAFHENPREKR 71

Qy 69 GYYVVCNTRONGSWGPBERKTHMPFOKGMPFDLCFLVQSSDFKVWVNGILEVQYFHRVPF 128  
 Db 72 ACCIVNTLINEKWGGRREITYDTPPFREKSPTEIVMVLKDKFQAVANGKHTLYCHRIGP 131  
 Qy 129 HRVDTISVNGSYLSYTSFQNPRTVQPAESTVPEQSOPVCFPPRGRQRQKPPGWPN 188  
 :|: 132 EKIDTGLIYGRNIHSIGF-----SFSDSLQST-----QAS 162  
 Db 132 EKIDTGLIYGRNIHSIGF-----SFSDSLQST-----QAS 162  
 Qy 189 PAPITCQVHTVQSAQPMQFSTPATPPMMYPHPAYPMPFITTLLGGLYPSKSILJSGTVL 248  
 Db 163 SIEBLTEVRENPKS-----GTSQL-----SLPFAARLNTPMGPGRTVVYQGEVN 207  
 Qy 249 PSAQRFHINLCSG-NHIAFHUNPREDENAVRNTQIDNSKGSEERSLPLRKMPFVRGQSF 306  
 :|: 208 ANAKSPFNDLJAGKSKDIAHUNPRNIKAFFVRNSLQESWQEEPNI-TSFPSPGMYF 266  
 Db 208 ANAKSPFNDLJAGKSKDIAHUNPRNIKAFFVRNSLQESWQEEPNI-TSFPSPGMYF 266  
 Qy 307 SWWILCBARCLRYAVDQHLEFYHRLRNLPTRNRLBGGDIOLTWQT 355  
 :|: 267 EMITYCDVREFKAVANGVSLEYKHFKELSIDTLEINGDHILLEVRS 315  
 Db 267 EMITYCDVREFKAVANGVSLEYKHFKELSIDTLEINGDHILLEVRS 315

Search completed. November 24, 2002, 02:25:18  
 Job time : 23.9328 secs